

**The Commonwealth of Massachusetts
Executive Office of Health and Human Services
Department of Public Health
William A. Hinton State Laboratory Institute
305 South Street, Jamaica Plain, MA 02130**

**DEVAL L. PATRICK
GOVERNOR**

**TIMOTHY P. MURRAY
LIEUTENANT GOVERNOR**

**JUDYANN BIGBY, MD
SECRETARY
JOHN AUERBACH
COMMISSIONER**

3/14/2012

Andrius Knasas
Assistant District Attorney
Suffolk County District Attorney's Office

Dear ADA Knasas

Enclosed is the information you requested in regards to items # [REDACTED]

1. Curriculum Vitae for Hevis Lleshi and Kate Corbett
2. Drug Analysis Laboratory Receipt.
3. Control Cards with analytical results for samples # [REDACTED]
4. Analysis sheets with custodial chemist's hand notations and test results.
5. GC/Mass Spectral analytical data for samples # [REDACTED]

Hevis Lleshi was the custodial chemist and performed preliminary testing and net weight for these samples. Kate Corbett was the confirmatory chemist and analyzed the GC/MS data for these samples.

If you have any questions about these materials, please call me at the number below.

Sincerely,

Ms. Hevis Lleshi
Chemist I
Drug Analysis Laboratory
Jamaica Plain, MA 02130
(617) 983-6627

Curriculum Vitae

Hevis Lleshi

Education

Boston University School of Medicine – Master of Science, Forensic Science
University of South Florida – Bachelor of Arts, Clinical Psychology

Related Coursework

Forensic Chemistry • Forensic Toxicology • Forensic Pathology • Forensic DNA Analysis
Organic / Analytical Chemistry • Forensic Biology • Biochemistry • Forensic Trace Evidence

Employment

March, 2011 – Present
Chemist I, Massachusetts Department of Public Health,
Drug Analysis Laboratory

- Appointed Assistant Analyst by Assistant Commissioner of Public Health, June, 2011
- Responsible for the identification of substances to determine violation of harmful and narcotic drug laws of the Commonwealth of Massachusetts
- Trained in the use of complex analytical instrumentation for the purpose of forensic drug analysis
- Notary Public

Additional Training and Laboratory Experience

- Completed ten-week training course conducted by Laboratory Senior Staff within the Department of Public Health, Drug Analysis Laboratory, 2011
- GC and GC/MS training with Restek, 2011
- Instrumental Forensic Chemistry/Toxicology Laboratory, Boston University, 2009
- Serology/Bloodstain Pattern Analysis Techniques, Boston University, 2009

Internship, MASSACHUSETTS STATE POLICE—MARINE SECTION, BOSTON, MA, 2009 – 2010

Associations

- American Academy of Forensic Sciences (AAFS)
- Boston University Forensic Science Society (BUFSS)

Curriculum Vitae

Kate A. Corbett

Education

Bachelor of Science Degree, CHEMISTRY May 2003

MERRIMACK COLLEGE

Coursework included: Organic Chemistry, Inorganic Chemistry, Quantitative Analysis, Instrumental Analysis, Physical Chemistry, Physics, Calculus

Employment

Chemist II State Laboratory Institute (March 2008-Present)

Massachusetts Department of Public Health

Drug Analysis Laboratory

- Responsible for the identification of substance and trafficking substances to determine violation of the Massachusetts drug laws
- Responsible for the identification of pharmaceuticals to determine violation of the Massachusetts drug laws
- Operate analytical instrumentation, microscopes and balances for forensic drug analysis

Chemist I State Laboratory Institute (2005-March 2008)

Massachusetts Department of Public Health

Drug Analysis Laboratory

- Responsible for the identification of substance to determine violation of the Massachusetts drug laws
- Operate analytical instrumentation for the purpose of performing forensic drug analysis
- Successfully completed an eight week training course in the analysis of drugs conducted by senior staff of the Department of Public Health, Drug Analysis Laboratory
- Appointed an assistant analyst for the Department of Public Health, Drug Analysis Laboratory in 2005.

Research Associate (September 2003 – August 2005)

SENSOR TECHNOLOGIES, INC - Shrewsbury, MA

- Prepared chemistries used in making sensor beads
- Generated and examined sensors employing fluorescence spectroscopy
- Performed protein, dye and sugar assays using UV/VIS spectrophotometry
- Carried out titrations on ricin using fluorescence correlation spectroscopy
- Statistical analysis of experimental data

Intern (March 2003 – August 2003)

MASSACHUSETTS STATE POLICE CRIME LABORATORY - Sudbury, MA

- Assisted in the gathering of case files to fulfill the National Institute of Justice's No Suspect Backlog Reduction Grant
- Observed in the Evidence, Criminalistics, DNA, Drug, Trace, Toxicology, and Bomb/Arson Units

**DRUG RECEIPT**

CC # XXXXXXXXXX
BOOK # ~~88~~ 153
PAGE # ~~89~~ 57
DESTRUCTION # _____

District/Unit 4VST

Name & Rank of Arresting Officer MC GREGOR ID# 91907

| DEFENDANT'S NAME | ADDRESS | CITY | STATE |
|--|---------|------|-------|
| XXXXXXXXXX | | | |

| DESCRIPTION OF ITEMS SUBMITTED | GROSS QUANTITY | LAB USE ONLY | |
|--------------------------------|----------------|--------------|--|
| | | GROSS WEIGHT | ANALYSIS NUMBER |
| Heroin | 1 P/B | 2.25 gm | XXXXXXXXXX |
| Cocaine | 1 P/B | 2.32 gm | |
| Marijuana CANN | 2 P/B'S | | |
| Soboxone | 4 PILLS | 5.80 gm | XXXXXXXXXX |

| | | |
|-------------|-------------|-------------|
| <u>1700</u> | <u>Cann</u> | <u>2.75</u> |
| | | |
| | | |
| | | |
| | | |

To be completed by ECU personnel only

Name and Rank of Submitting Officer Dale L ID# 9370

Received by JS Date 8-2-11

ECU Control # _____

No. [REDACTED] Date Analyzed: 2/16/12
City: Boston D.C.U. Police Dept.
Officer: P.O. Diana Lopez
Def: [REDACTED]
Amount: Subst: SUB
No. Cont: 1 Cont: pb
Date Rec'd: 08/02/2011 No. Analyzed:
Gross Wt.: 2.25 Net Weight: 0.10g
Tests: 4
• 26AC
Prelim: Heroin (HLL) Findings: Heroin

No. [REDACTED] Date Analyzed: 2/16/12
City: Boston D.C.U. Police Dept.
Officer: P.O. Diana Lopez
Def: [REDACTED]
Amount: Subst: SUB
No. Cont: 1 Cont: pb
Date Rec'd: 08/02/2011 No. Analyzed:
Gross Wt.: 2.32 Net Weight: 0.48g
Tests: 6
• 26AC
Prelim: Cocaine (HLL) Findings: Cocaine

No. [REDACTED] Date Analyzed: 3/1/12
City: Boston D.C.U. Police Dept.
Officer: P.O. Diana Lopez [REDACTED]
Def: [REDACTED]
Amount: [REDACTED] Subst. TAB
No. Cont: 1 Cont: pb paper fold
Date Rec'd: 08/02/2011 No. Analyzed: 1
Gross Wt.: 5.80 Net Weight: 1.54g (8/4)
Tests: 1
Prelim: Buprenorphine (HLC) Findings: BUPRENORPHINE
2C4C

DRUG POWDER ANALYSIS FORM

SAMPLE #

AGENCY BostonANALYST HLL

No. of samples tested: _____

Evidence Wt OK

PHYSICAL DESCRIPTION:

Gross Wt (): 0.2293g

Gross Wt (): _____

One pb containing
beige powder. One
piece of paper also
included in evidence
bag.

Pkg. Wt: _____

Net Wt: 0.1052g

PRELIMINARY TESTS

Spot Tests

Cobalt
Thiocyanate () + blue/green

Marquis + purple

Froehde's + purple

Mecke's + green

Microcrystalline Tests

Gold
Chloride _____

TLTA () _____

OTHER TESTS

PRELIMINARY TEST RESULTS

RESULTS HeroinDATE 2/11/2012

GC/MS CONFIRMATORY TEST

RESULTS HeroinMS
OPERATOR KACDATE 2/16/2012

DRUG POWDER ANALYSIS FORM

SAMPLE #

AGENCY BostonANALYST HLL

No. of samples tested: _____

Evidence Wt. OKPHYSICAL DESCRIPTION:Gross Wt (): 0.6076g

Gross Wt (): _____

One pb containing
white powder, double
bagged.

Pkg. Wt: _____

Net Wt: 0.4846gPRELIMINARY TESTSSpot TestsCobalt
Thiocyanate () + blue

Marquis _____

Froehde's _____

Mecke's _____

Microcrystalline TestsGold
Chloride _____ +

TLTA () +

OTHER TESTS

PRELIMINARY TEST RESULTSRESULTS CocaineDATE 2/10/2012GC/MS CONFIRMATORY TESTRESULTS CocaineMS
OPERATOR KACDATE 2/16/2012

DRUG POWDER ANALYSIS FORM

SAMPLE #

AGENCY

Boston

ANALYST

HLI

No. of samples tested:

Evidence Wt

OK

PHYSICAL DESCRIPTION:

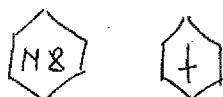
Gross Wt (4): 2.0515 g

Gross Wt (): _____

Four orange hexagonal Pkg. Wt: _____
imprinted tablets in one paper fold.
One tablet tested.

Net Wt: (4) 1.5471 g

Microneedex:
Buprenorphine - 8 mcg



* Evidence bag not sealed on one side. (Initials side)

PRELIMINARY TESTSSpot TestsCobalt
Thiocyanate ()

Marquis _____

Froehde's _____

Mecke's _____

Microcrystalline TestsGold
Chloride _____

TLTA () _____

OTHER TESTSPRELIMINARY TEST RESULTS

RESULTS Buprenorphine

DATE 2/25/2012

GC/MS CONFIRMATORY TEST

RESULTS Buprenorphine

MS
OPERATOR KAC

DATE 3/11/2012

Drug Information



DRUG NAME: SUBOXONE TABLET

INGREDIENTS: BUPRENORPHINE -- 8 MG
NALOXONE -- 2 MG

Color: orange

NDC: 12496-1306-02

Shape: Six-sided

Regulatory Status: Schedule III

Imprint: N8 Sword Logo

Availability: United States

Form: Sublingual Tablet

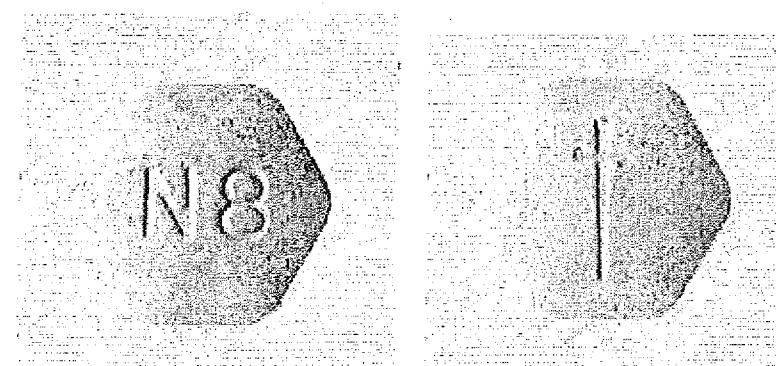
Product ID: 6370996

Available-Container-Size: Bottle of 30

Contact: Reckitt Benckiser
Pharmaceuticals

AAPCC Code: 200625 -

Buprenorphine

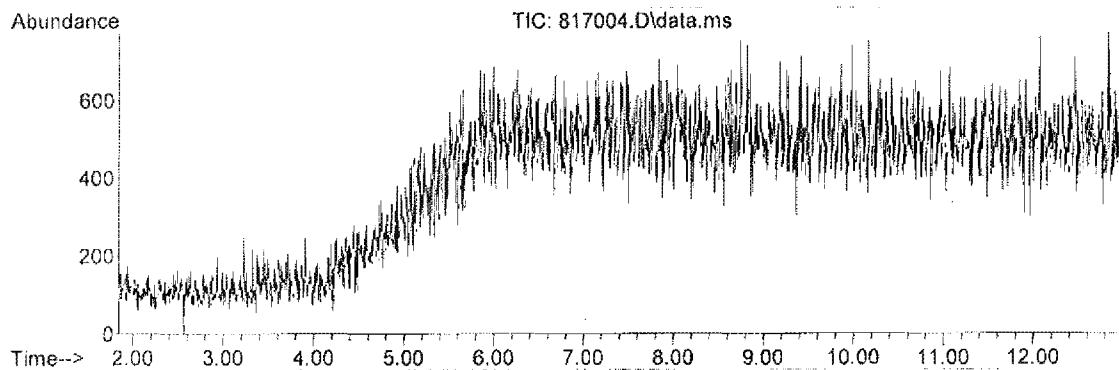


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✓KAC
3/6/12

Information from Data File:

File Name : C:\msdchem\1\System7\02_14_12\817004.D
Operator : KAC
Date Acquired : 14 Feb 2012 14:50
Sample Name : BLANK
Submitted by :
Vial Number : 1
AcquisitionMeth: DRUGS.M
Integrator : RTE

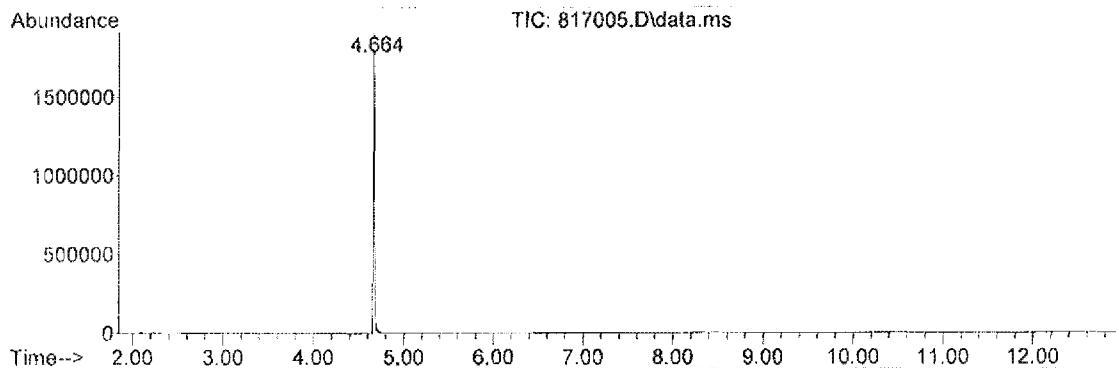


| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|
|-----------|------|--------|---------|

NO INTEGRATED PEAKS

Information from Data File:

File Name : C:\msdchem\1\System7\02_14_12\817005.D
Operator : KAC
Date Acquired : 14 Feb 2012 15:06
Sample Name : COCAINE STD
Submitted by :
Vial Number : 5
AcquisitionMeth: DRUGS.M
Integrator : RTE



| Ret. Time | Area | Area % | Ratio % |
|-----------|---------|--------|---------|
| 4.664 | 1806340 | 100.00 | 100.00 |

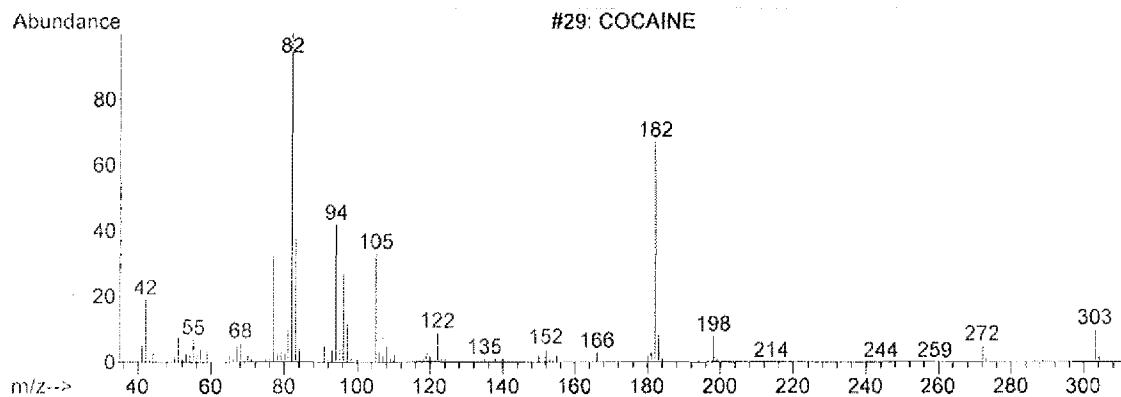
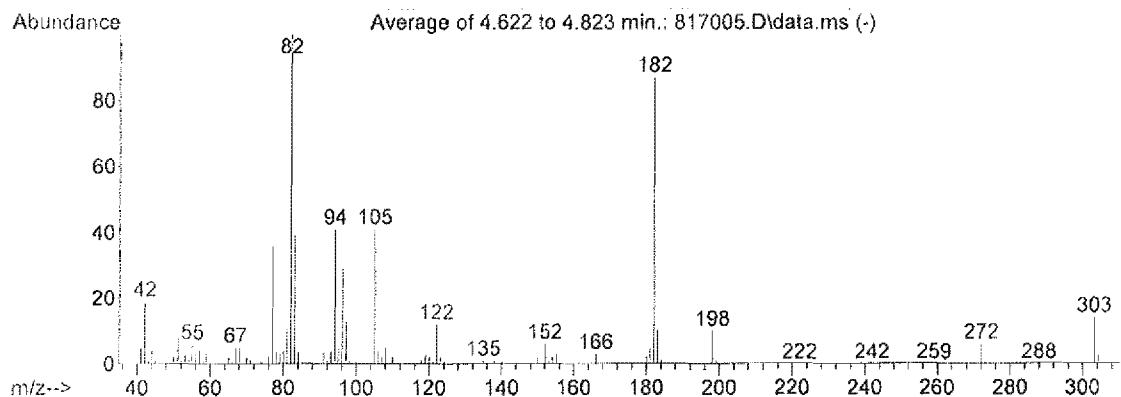
Area Percent / Library Search Report

Information from Data File:

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Operator : KAC
Date Acquired : 14 Feb 2012 15:06
Sample Name : COCAINE STD
Submitted by :
Vial Number : 5
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 85
C:\Database\NIST05a.L Minimum Quality: 85
C:\Database\PMW_TOX2.L

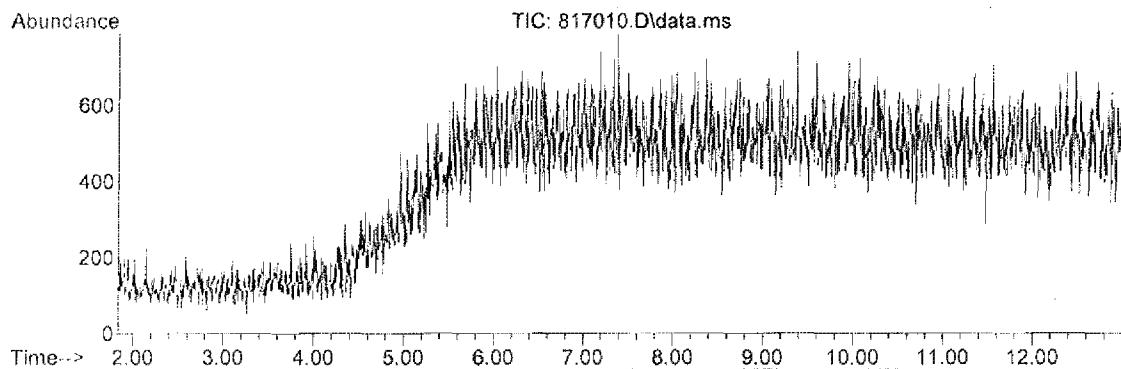
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Area Percent / Library Search Report

Information from Data File:

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Operator : KAC
Date Acquired : 14 Feb 2012 16:24
Sample Name : BLANK
Submitted by : HLL
Vial Number : 1
AcquisitionMeth: DRUGS.M
Integrator : RTE



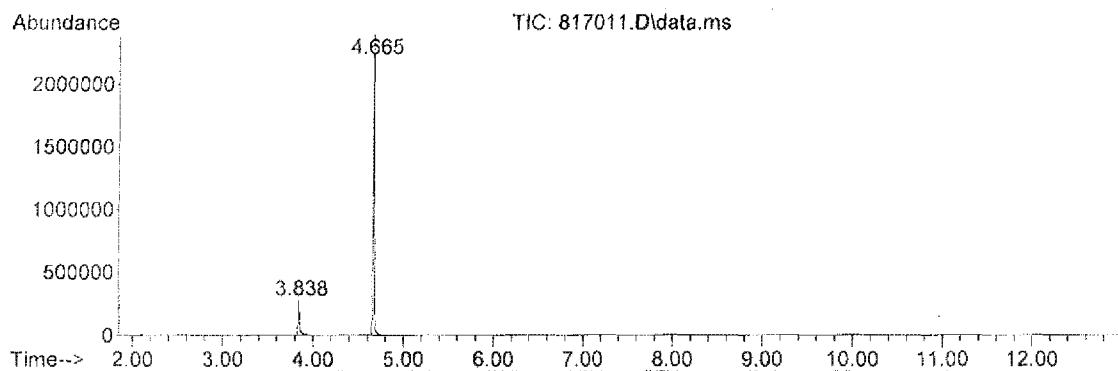
| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|
|-----------|------|--------|---------|

NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\System7\02_14_12\817011.D
Operator : KAC
Date Acquired : 14 Feb 2012 16:39
Sample Name : XXXXXXXXXX
Submitted by : HLL
Vial Number : 11
AcquisitionMeth: DRUGS.M
Integrator : RTE



| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|
|-----------|------|--------|---------|

| | | | |
|-------|---------|-------|--------|
| 3.838 | 346608 | 12.76 | 14.62 |
| 4.665 | 2370029 | 87.24 | 100.00 |

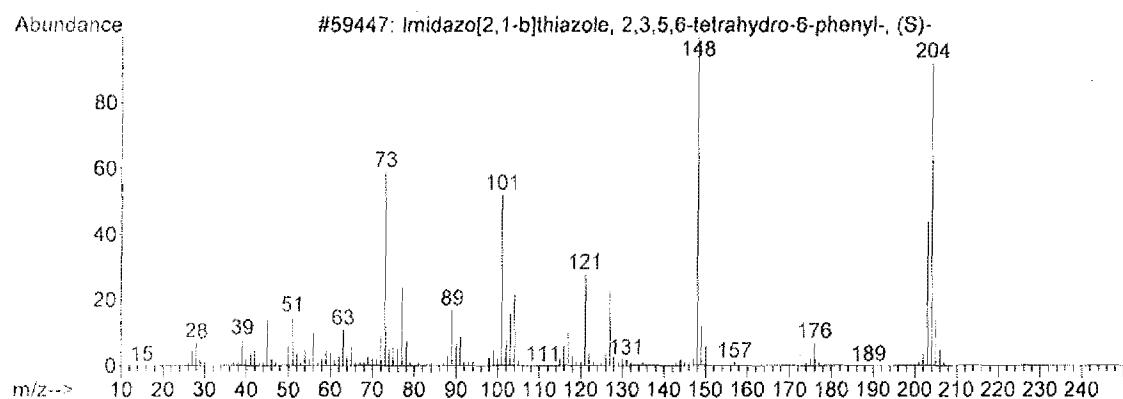
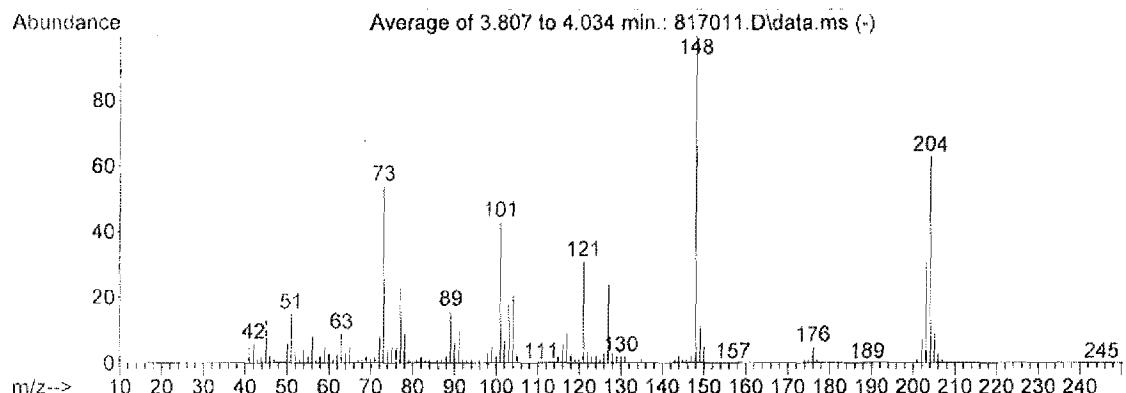
Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\System7\02_14_12\817011.D
 Operator : KAC
 Date Acquired : 14 Feb 2012 16:39
 Sample Name : XXXXXXXXXX
 Submitted by : HLL
 Vial Number : 11
 AcquisitionMeth: DRUGS.M
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 85
 C:\Database\NIST05a.L Minimum Quality: 85
 C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-------------------------------------|-------------|------|
| 1 | 3.84 | C:\Database\NIST05a.L | | |
| | | Imidazo[2,1-b]thiazole, 2,3,5,6-tet | 014769-73-4 | 98 |
| | | Imidazo[2,1-b]thiazole, 2,3,5,6-tet | 006649-23-6 | 98 |
| | | Imidazo[2,1-b]thiazole, 2,3,5,6-tet | 006649-23-6 | 98 |



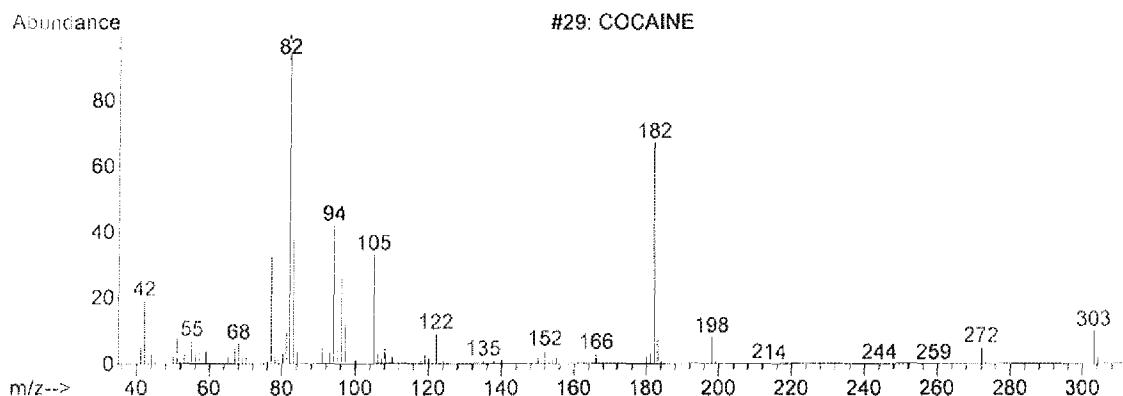
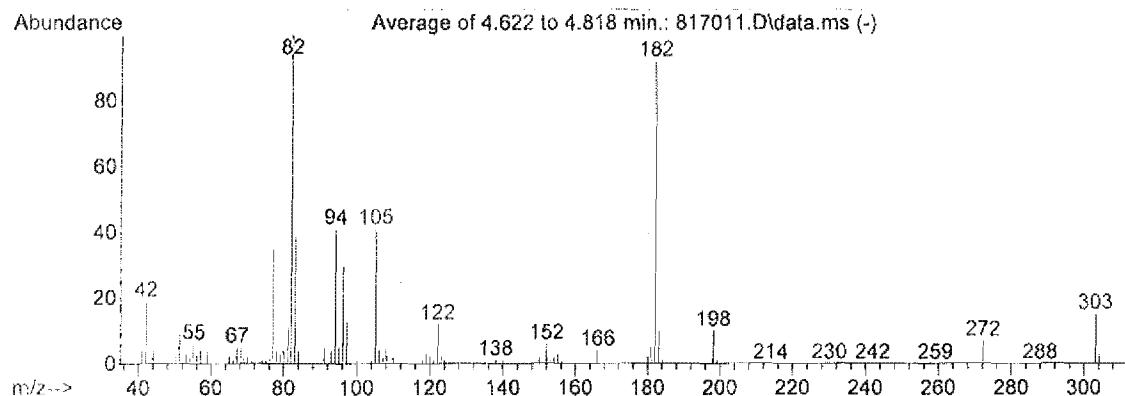
Area Percent / Library Search Report

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Operator : KAC
Date Acquired : 14 Feb 2012 16:39
Sample Name : XXXXXXXXXX
Submitted by : HILL
Vial Number : 11
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 85
C:\Database\NIST05a.L Minimum Quality: 85
C:\Database\PMW_TOX2.L

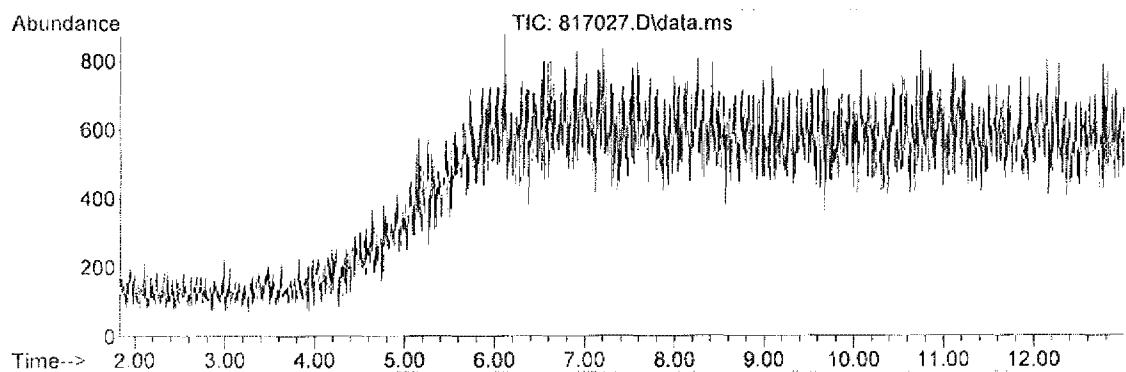
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Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\System7\02_14_12\817027.D
Operator : KAC
Date Acquired : 14 Feb 2012 20:49
Sample Name : BLANK
Submitted by :
Vial Number : 1
AcquisitionMeth: DRUGS.M
Integrator : RTE



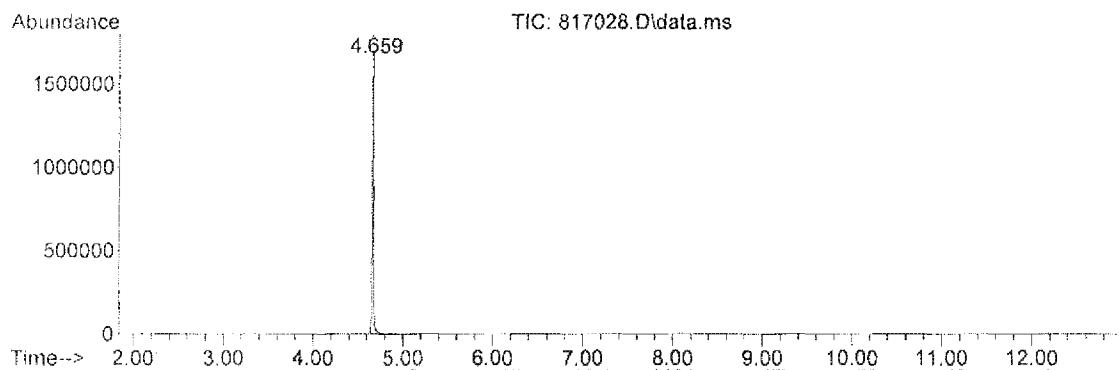
| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\System7\02_14_12\817028.D
Operator : KAC
Date Acquired : 14 Feb 2012 21:05
Sample Name : COCAINE STD
Submitted by :
Vial Number : 28
AcquisitionMeth: DRUGS.M
Integrator : RTE



| Ret. Time | Area | Area % | Ratio % |
|-----------|---------|--------|---------|
| 4.659 | 1771642 | 100.00 | 100.00 |

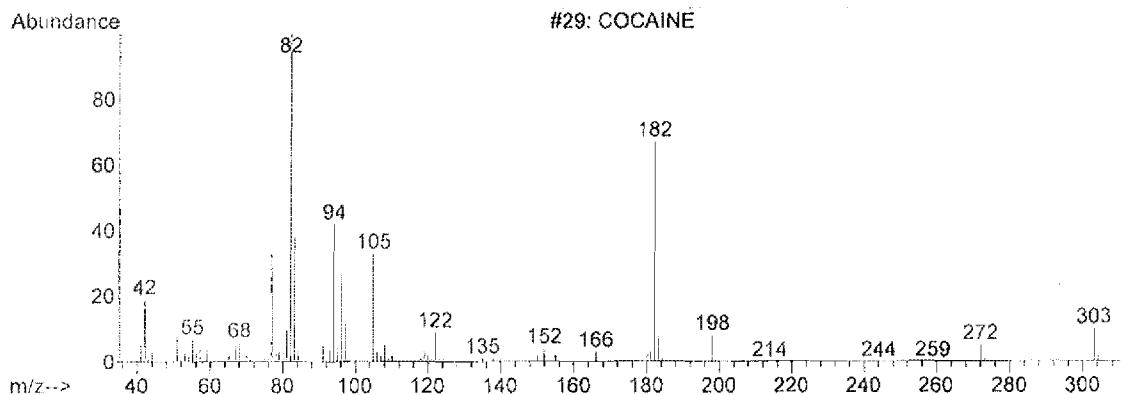
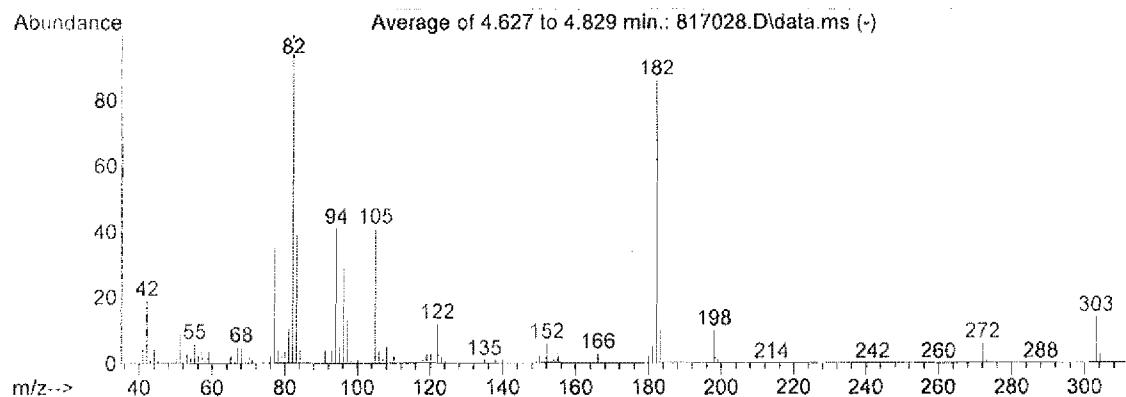
Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\System7\02_14_12\817028.D
Operator : KAC
Date Acquired : 14 Feb 2012 21:05
Sample Name : COCAINE STD
Submitted by :
Vial Number : 28
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 85
C:\Database\NIST05a.L Minimum Quality: 85
C:\Database\PMW_TOX2.L

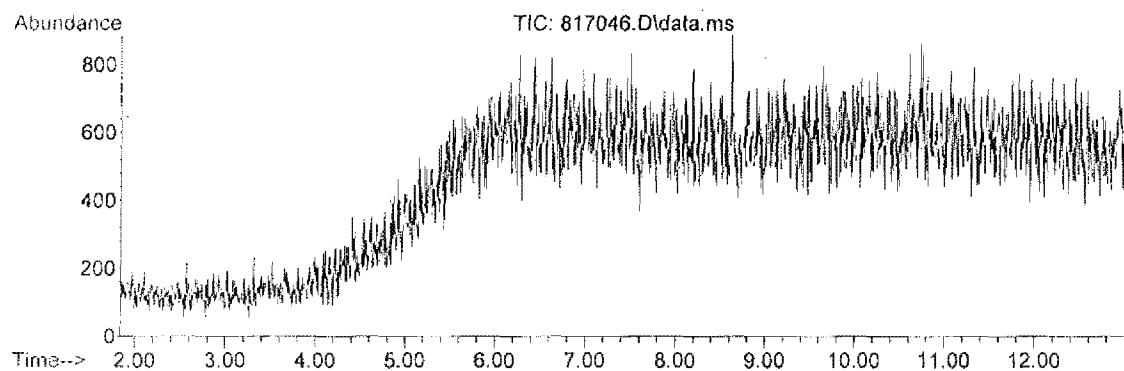
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|-----|------|------------------------------|-------------|------|
| 1 | 4.66 | C:\Database\SLI.L COCAINE | 000050-36-2 | 99 |



Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\System7\02_14_12\817046.D
Operator : KAC
Date Acquired : 15 Feb 2012 1:43
Sample Name : BLANK
Submitted by :
Vial Number : 1
AcquisitionMeth: DRUGS.M
Integrator : RTE



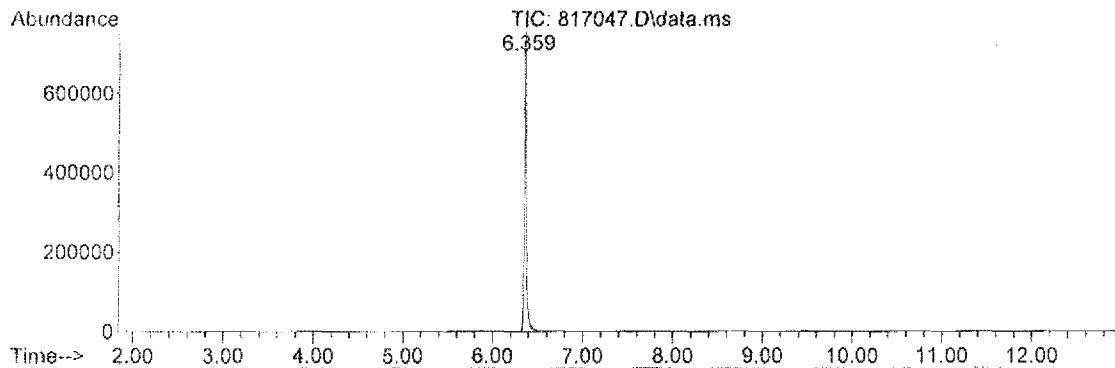
| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|
|-----------|------|--------|---------|

NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\System7\02_14_12\817047.D
Operator : KAC
Date Acquired : 15 Feb 2012 1:59
Sample Name : HEROIN STD
Submitted by :
Vial Number : 47
AcquisitionMeth: DRUGS.M
Integrator : RTE



| Ret. Time | Area | Area % | Ratio % |
|-----------|---------|--------|---------|
| 6.359 | 1142156 | 100.00 | 100.00 |

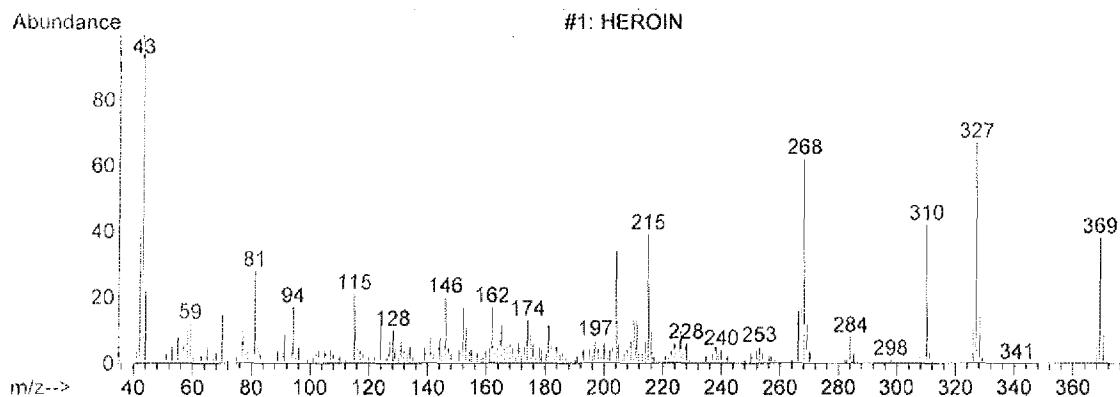
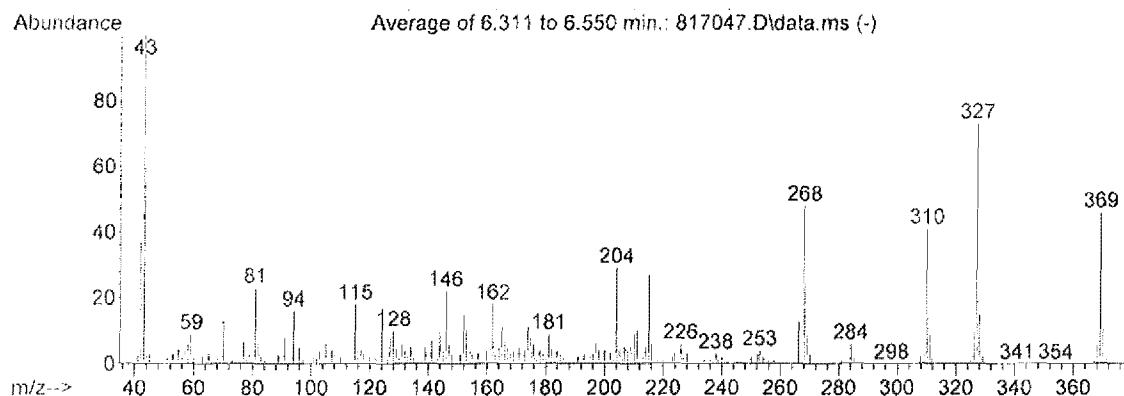
Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\System7\02_14_12\817047.D
Operator : KAC
Date Acquired : 15 Feb 2012 1:59
Sample Name : HEROIN STD
Submitted by :
Vial Number : 47
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 85
C:\Database\NIST05a.L Minimum Quality: 85
C:\Database\PMW_TOX2.L

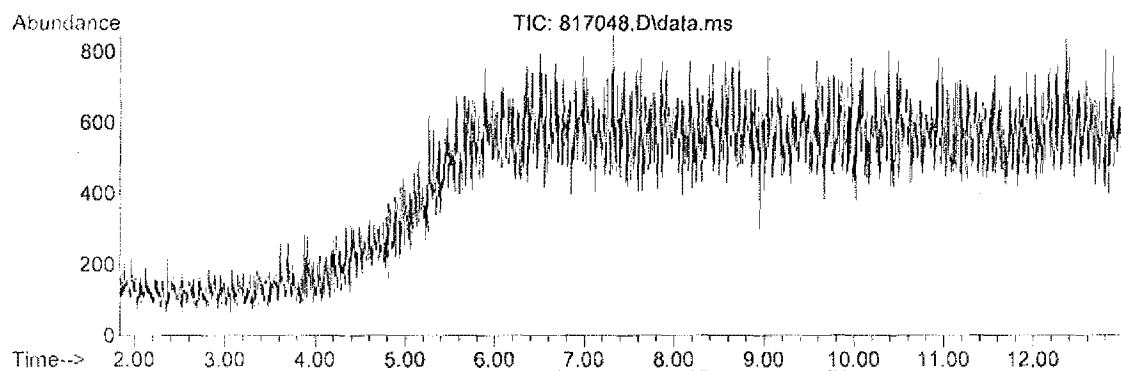
| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-----------------------------|-------------|------|
| 1 | 6.36 | C:\Database\SLI.L HEROIN | 000561-27-3 | 99 |



Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\System7\02_14_12\817048.D
Operator : KAC
Date Acquired : 15 Feb 2012 2:14
Sample Name : BLANK
Submitted by : HLL
Vial Number : 1
AcquisitionMeth: DRUGS.M
Integrator : RTE



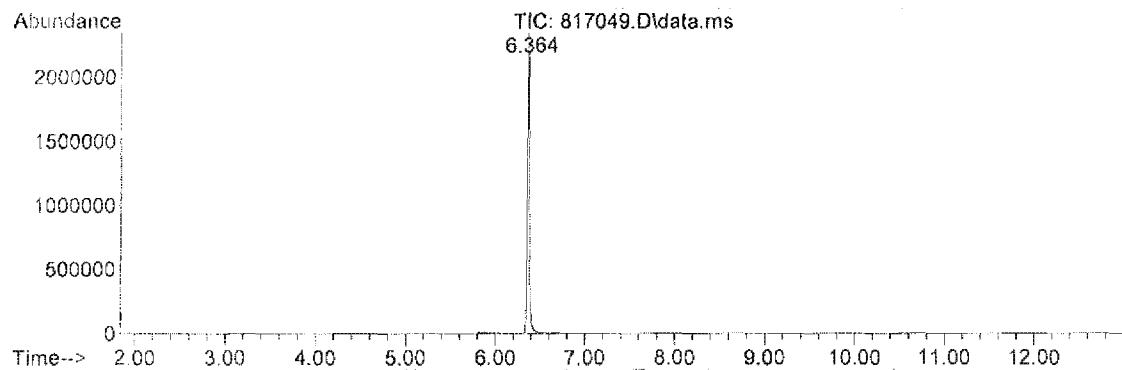
| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|
|-----------|------|--------|---------|

NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\System7\02_14_12\817049.D
Operator : KAC
Date Acquired : 15 Feb 2012 2:30
Sample Name : XXXXXXXXXX
Submitted by : HLL
Vial Number : 49
AcquisitionMeth: DRUGS.M
Integrator : RTE



| Ret. Time | Area | Area % | Ratio % |
|-----------|---------|--------|---------|
| 6.364 | 3605191 | 100.00 | 100.00 |

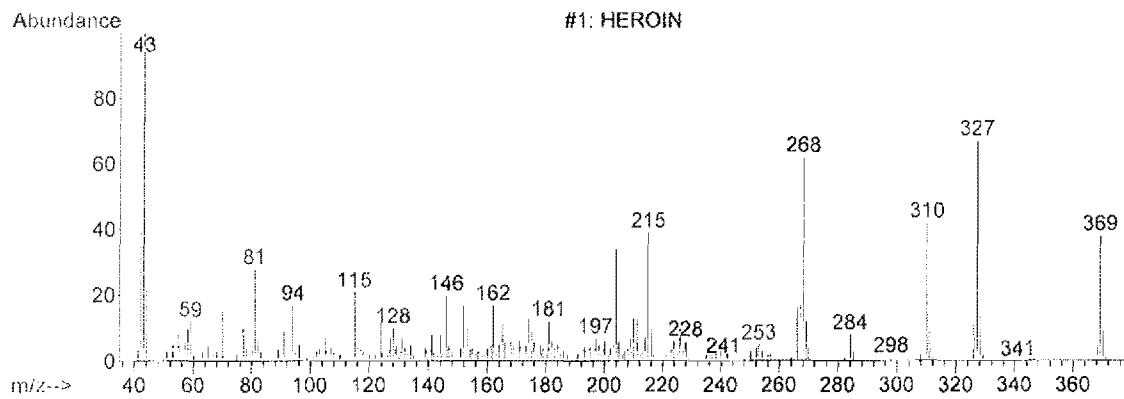
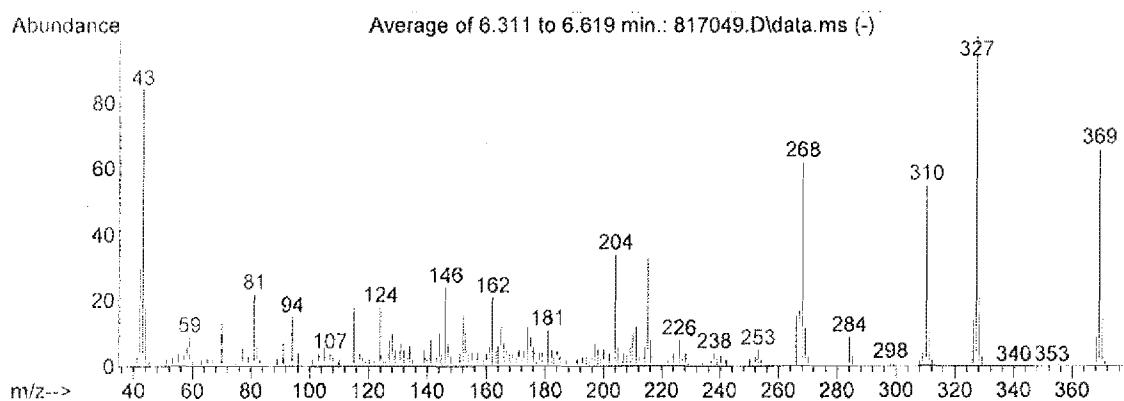
Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\System7\02_14_12\817049.D
Operator : KAC
Date Acquired : 15 Feb 2012 2:30
Sample Name : XXXXXXXXXX
Submitted by : HLL
Vial Number : 49
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 85
C:\Database\NIST05a.L Minimum Quality: 85
C:\Database\PMW_TOX2.L

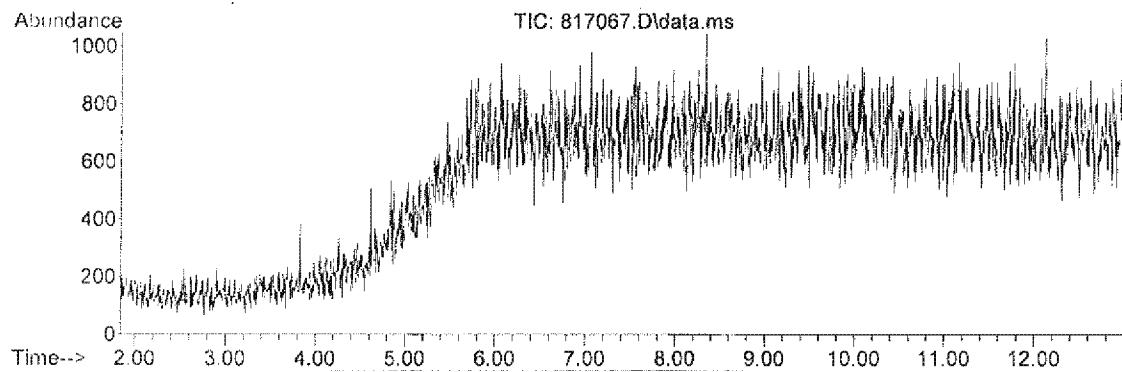
| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-----------------------------|-------------|------|
| 1 | 6.36 | C:\Database\SLI.L HEROIN | 000561-27-3 | 99 |



Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\System7\02_14_12\817067.D
Operator : KAC
Date Acquired : 15 Feb 2012 7:09
Sample Name : BLANK
Submitted by :
Vial Number : 2
AcquisitionMeth: DRUGS.M
Integrator : RTE



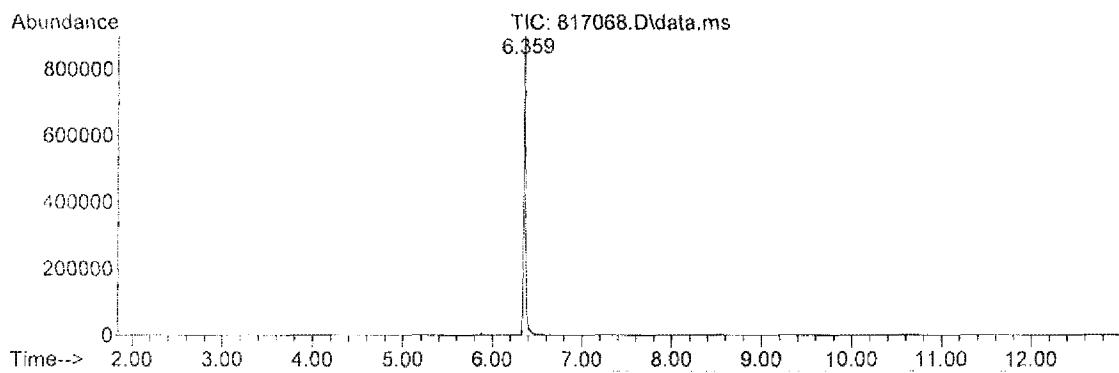
| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|
|-----------|------|--------|---------|

NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\System7\02_14_12\817068.D
Operator : KAC
Date Acquired : 15 Feb 2012 7:25
Sample Name : HEROIN STD
Submitted by :
Vial Number : 68
AcquisitionMeth: DRUGS.M
Integrator : RTE



| Ret. Time | Area | Area % | Ratio % |
|-----------|---------|--------|---------|
| 6.359 | 1332059 | 100.00 | 100.00 |

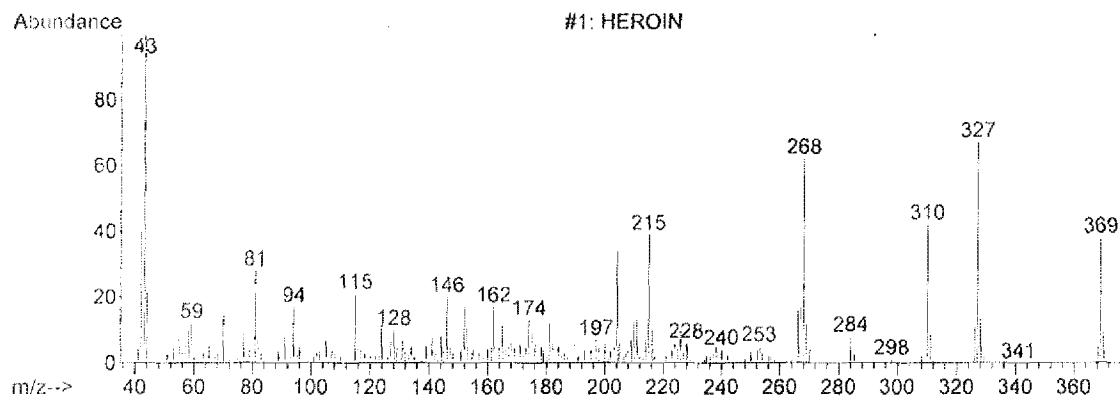
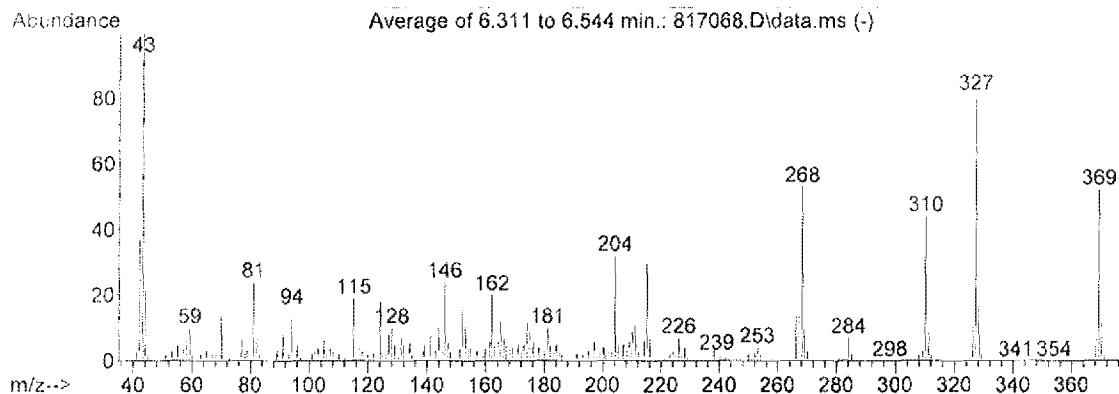
Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\System7\02_14_12\817068.D
Operator : KAC
Date Acquired : 15 Feb 2012 7:25
Sample Name : HEROIN STD
Submitted by :
Vial Number : 68
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 85
C:\Database\NIST05a.L Minimum Quality: 85
C:\Database\PMW_TOX2.L

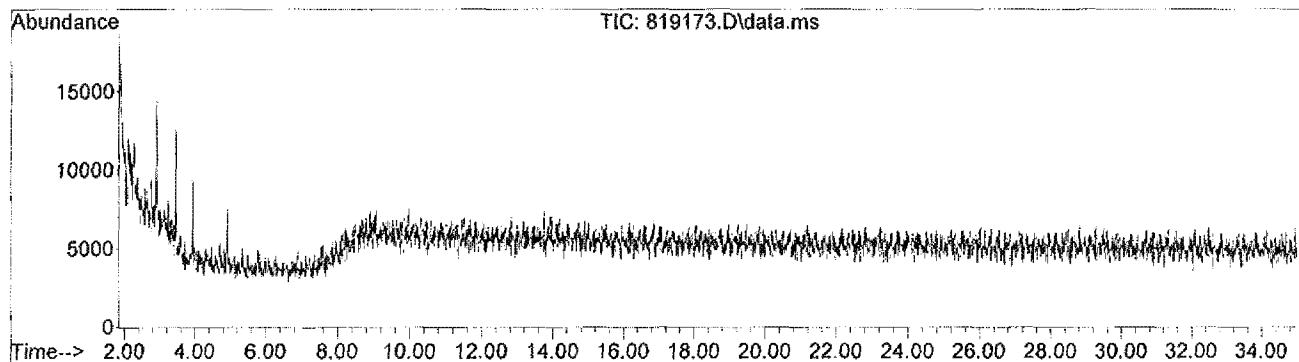
| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-----------------------------|-------------|------|
| 1 | 6.36 | C:\Database\SLI.L HEROIN | 000561-27-3 | 99 |



VKAC
3/6/12

Information from Data File:

File Name : C:\msdchem\1\DATA\SYSTEM9\02_27_12\819173.D
Operator : KAC
Date Acquired : 28 Feb 2012 11:23
Sample Name : BLANK
Submitted by :
Vial Number : 2
AcquisitionMeth: WSCREEN.M
Integrator : RTE



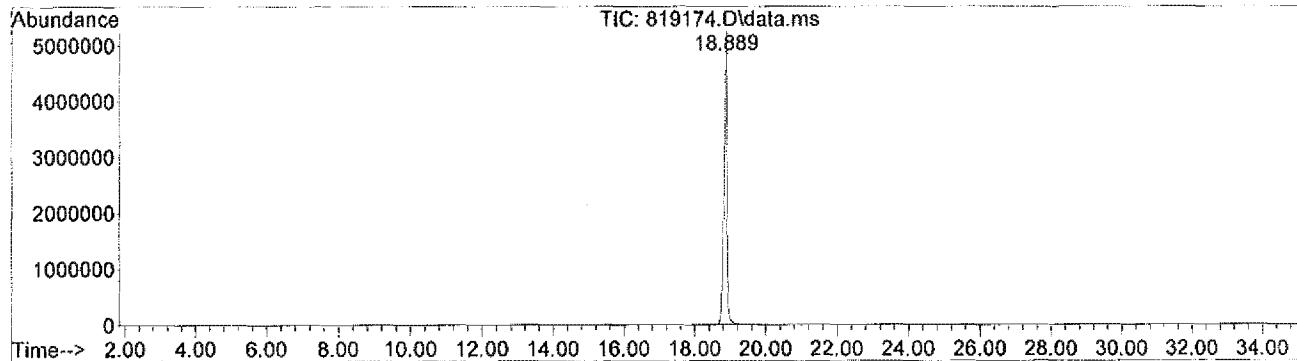
| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|
|-----------|------|--------|---------|

NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\DATA\SYSTEM9\02_27_12\819174.D
Operator : KAC
Date Acquired : 28 Feb 2012 12:02
Sample Name : BUPRENORPHINE STD
Submitted by :
Vial Number : 74
AcquisitionMeth: WSCREEN.M
Integrator : RTE



| Ret. Time | Area | Area % | Ratio % |
|-----------|----------|--------|---------|
| 18.889 | 29575046 | 100.00 | 100.00 |

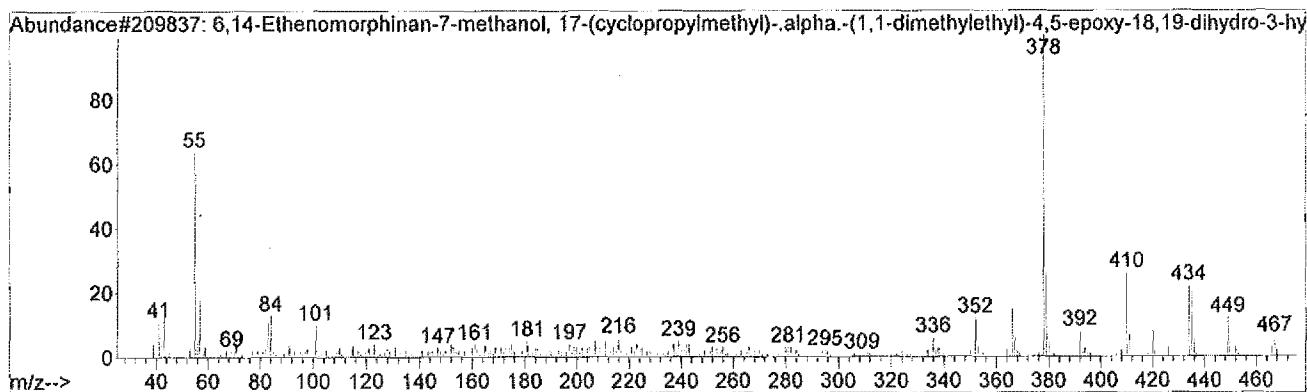
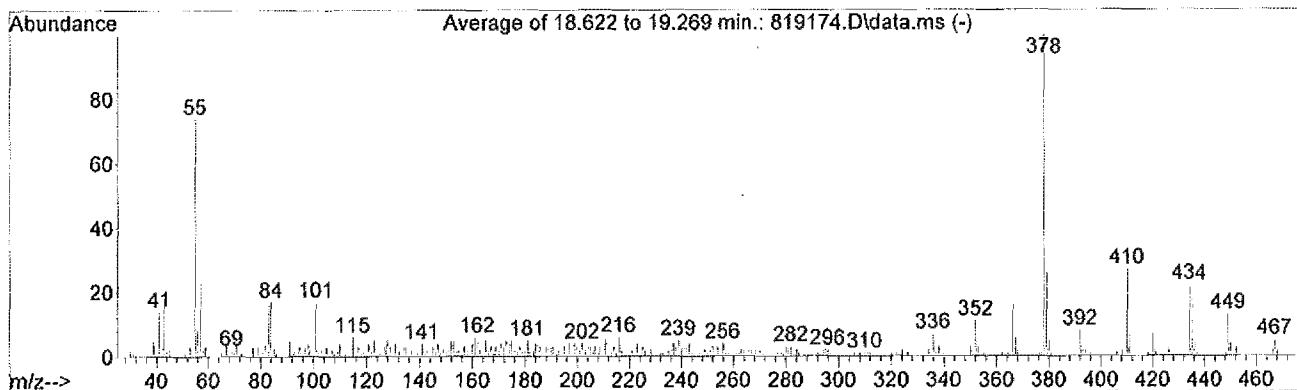
Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\DATA\SYSTEM9\02_27_12\819174.D
 Operator : KAC
 Date Acquired : 28 Feb 2012 12:02
 Sample Name : BUPRENORPHINE STD
 Submitted by :
 Vial Number : 74
 AcquisitionMeth: WSCREEN.M
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
 C:\Database\NIST08.L Minimum Quality: 10
 C:\Database\PMW_TOX2.L

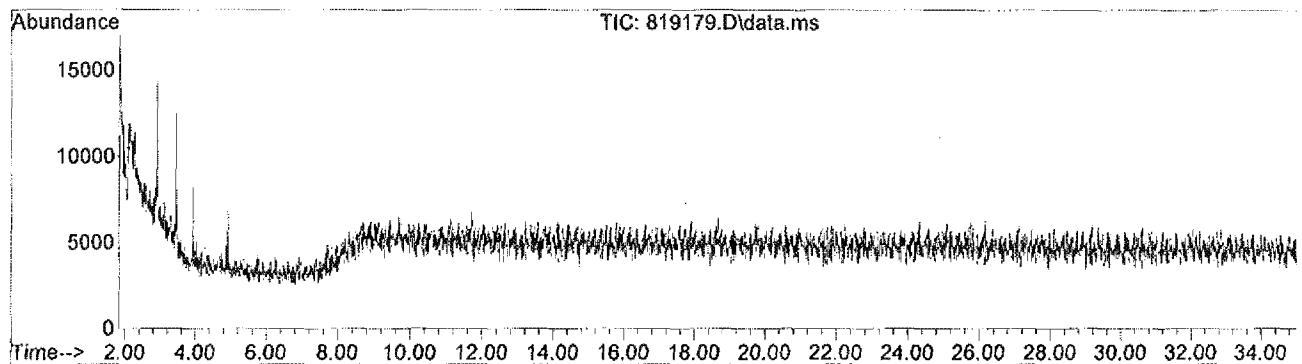
| PK# | RT | Library/ID | CAS# | Qual |
|-----|-------|-------------------------------------|-------------|------|
| 1 | 18.89 | C:\Database\NIST08.L | | |
| | | 6,14-Ethenomorphinan-7-methanol, 17 | 052485-79-7 | 99 |
| | | 6,14-Ethenomorphinan-7-methanol, 17 | 052485-79-7 | 99 |
| | | 6,14-Ethenomorphinan-7-methanol, 17 | 052485-79-7 | 96 |



Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\DATA\SYSTEM9\02_27_12\819179.D
Operator : KAC
Date Acquired : 28 Feb 2012 15:15
Sample Name : BLANK
Submitted by : HLL
Vial Number : 2
AcquisitionMeth: WSCREEN.M
Integrator : RTE



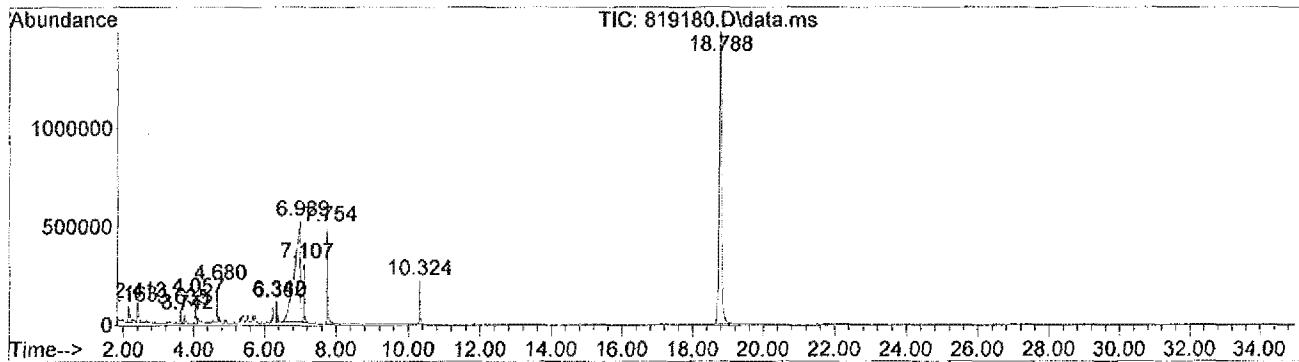
| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|
|-----------|------|--------|---------|

NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\DATA\SYSTEM9\02_27_12\819180.D
Operator : KAC
Date Acquired : 28 Feb 2012 15:54
Sample Name : XXXXXXXXXX
Submitted by : HLL
Vial Number : 80
AcquisitionMeth: WSCREEN.M
Integrator : RTE



| Ret. Time | Area | Area % | Ratio % |
|-----------|---------|--------|---------|
| 2.163 | 290754 | 1.89 | 4.25 |
| 2.413 | 322554 | 2.10 | 4.72 |
| 3.635 | 129549 | 0.84 | 1.90 |
| 3.742 | 145737 | 0.95 | 2.13 |
| 4.057 | 208340 | 1.35 | 3.05 |
| 4.680 | 205495 | 1.33 | 3.01 |
| 6.342 | 122776 | 0.80 | 1.80 |
| 6.360 | 108880 | 0.71 | 1.59 |
| 6.989 | 5656112 | 36.74 | 82.74 |
| 7.107 | 338620 | 2.20 | 4.95 |
| 7.754 | 649368 | 4.22 | 9.50 |
| 10.324 | 381711 | 2.48 | 5.58 |
| 18.788 | 6835731 | 44.40 | 100.00 |

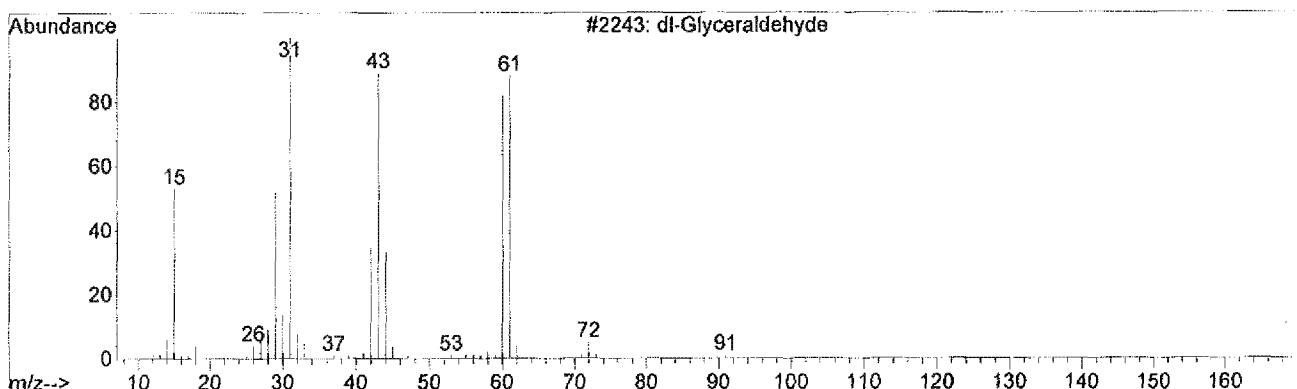
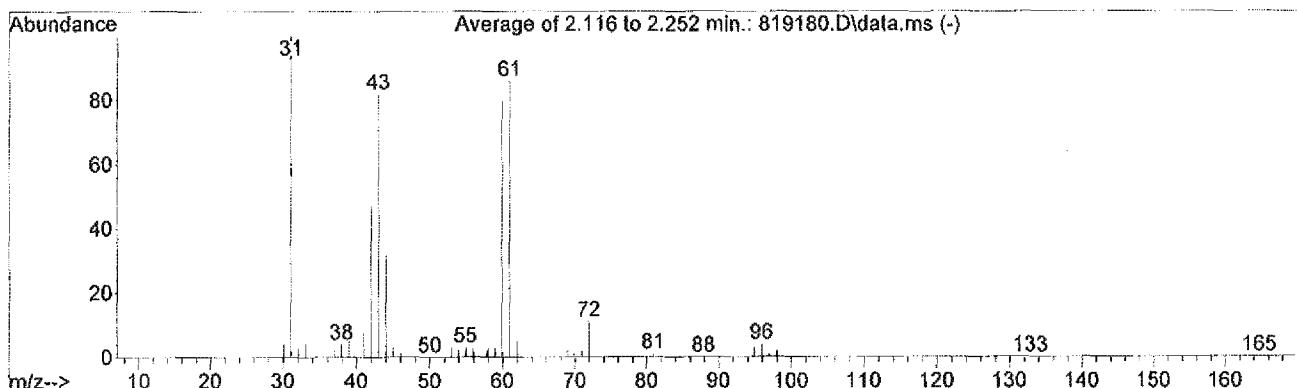
Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\DATA\SYSTEM9\02_27_12\819180.D
 Operator : KAC
 Date Acquired : 28 Feb 2012 15:54
 Sample Name : XXXXXXXXXX
 Submitted by : HLL
 Vial Number : 80
 AcquisitionMeth: WSCREEN.M
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
 C:\Database\NIST08.L Minimum Quality: 10
 C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|----------------------|-------------|------|
| 1 | 2.16 | C:\Database\NIST08.L | | |
| | | dl-Glyceraldehyde | 000056-82-6 | 83 |
| | | DL-Xylose | 041247-05-6 | 45 |
| | | Diglycolic acid | 000110-99-6 | 40 |



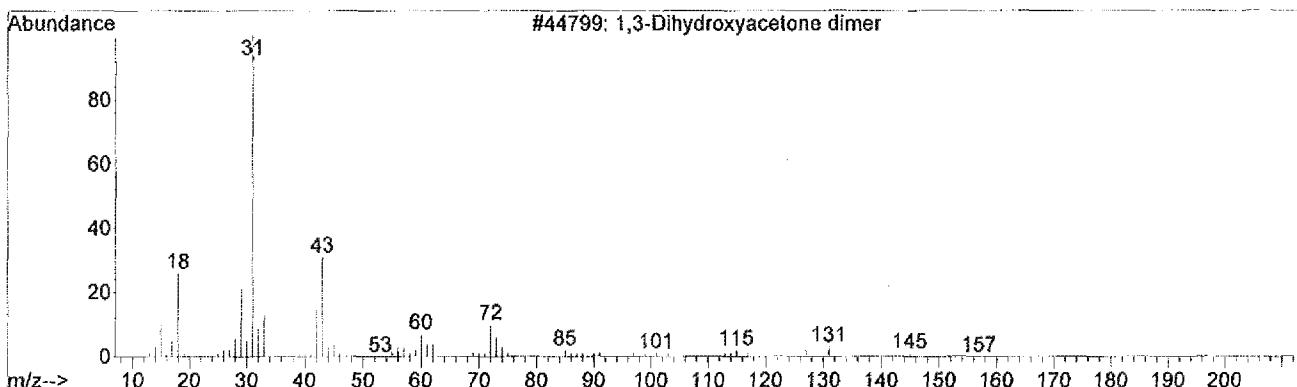
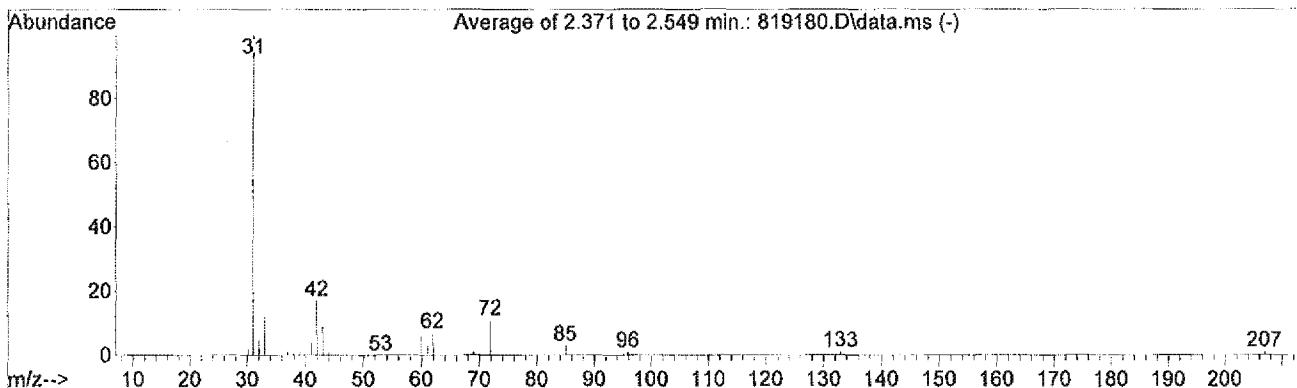
Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\DATA\SYSTEM9\02_27_12\819180.D
 Operator : KAC
 Date Acquired : 28 Feb 2012 15:54
 Sample Name : XXXXXXXXXX
 Submitted by :
 Vial Number : 80
 AcquisitionMeth: WSCREEN.M
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
 C:\Database\NIST08.L Minimum Quality: 10
 C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-----------------------------|-------------|------|
| 2 | 2.41 | C:\Database\NIST08.L | | |
| | | 1,3-Dihydroxyacetone dimer | 062147-49-3 | 64 |
| | | 2-Propanone, 1,3-dihydroxy- | 000096-26-4 | 64 |
| | | dl-Glyceraldehyde dimer | 026793-98-6 | 40 |



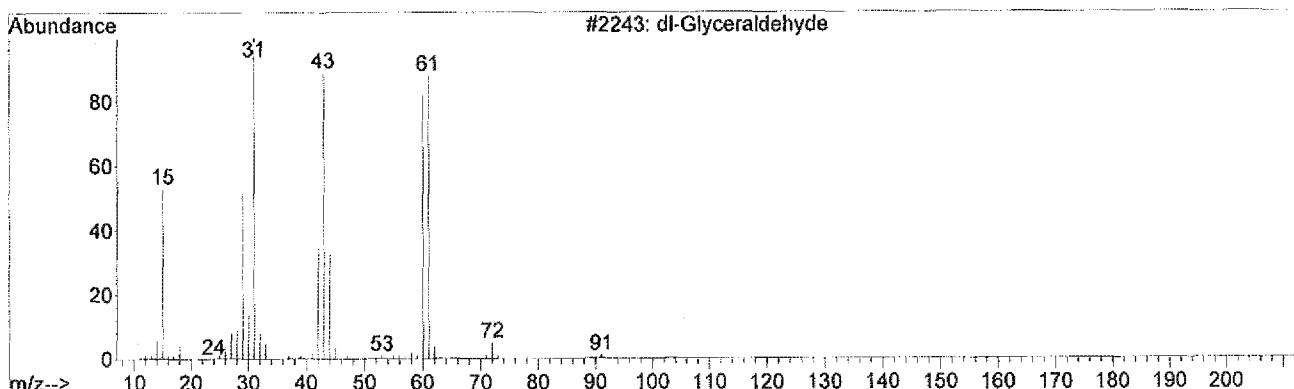
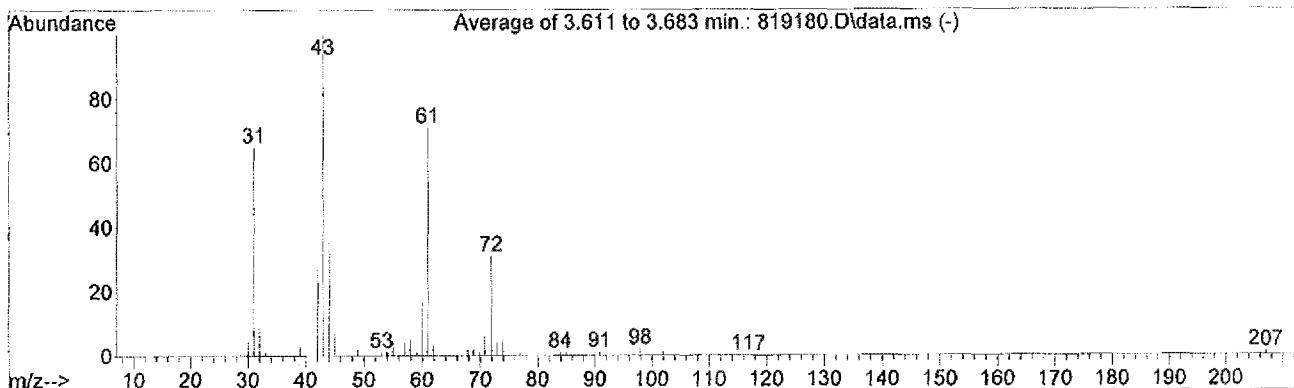
Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\DATA\SYSTEM9\02_27_12\819180.D
 Operator : KAC
 Date Acquired : 28 Feb 2012 15:54
 Sample Name : XXXXXXXXXX
 Submitted by : HLL
 Vial Number : 80
 AcquisitionMeth: WSCREEN.M
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
 C:\Database\NIST08.L Minimum Quality: 10
 C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-------------------------------------|-------------|------|
| 3 | 3.64 | C:\Database\NIST08.L | | |
| | | dl-Glyceraldehyde | 000056-82-6 | 38 |
| | | 3-Methoxy-2,2-dimethyloxirane | 026196-04-3 | 35 |
| | | 4-Amino-furazan-3-carboxylic acid (| 347355-79-7 | 33 |



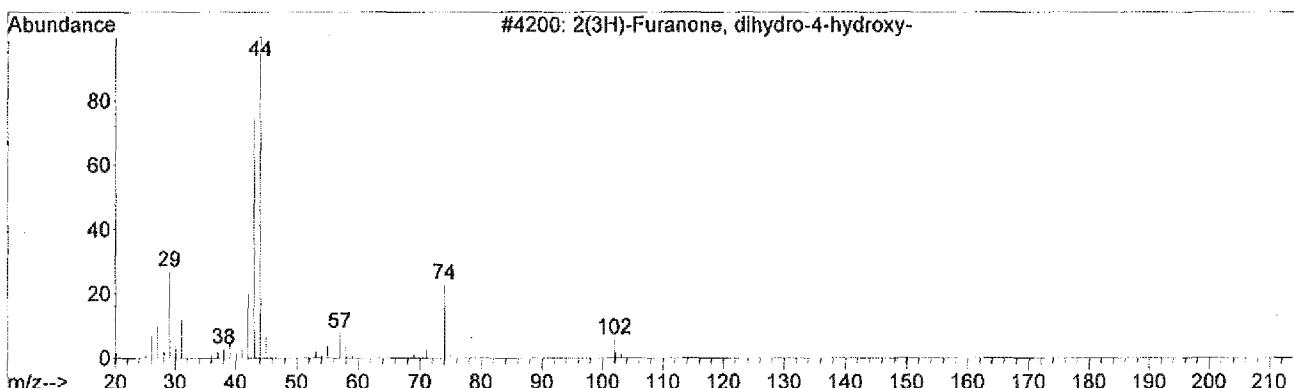
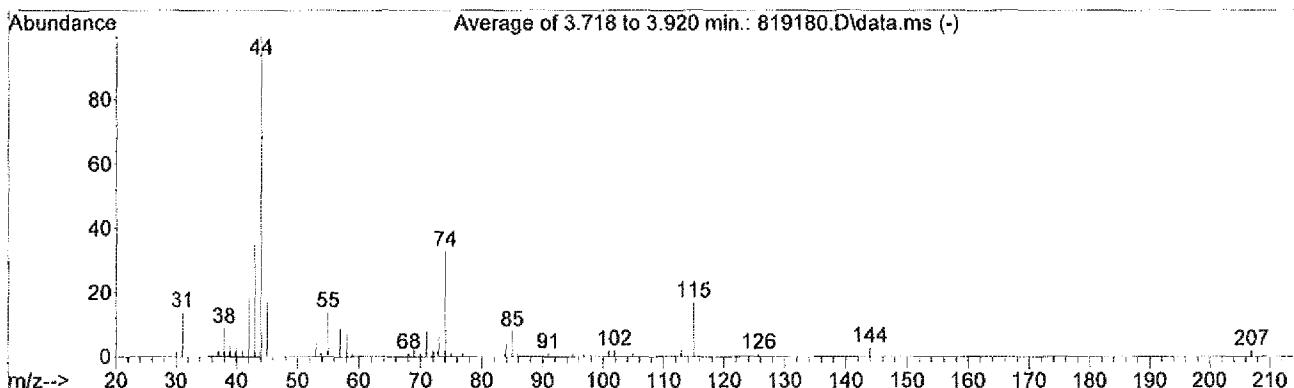
Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\DATA\SYSTEM9\02_27_12\819180.D
 Operator : KAC
 Date Acquired : 28 Feb 2012 15:54
 Sample Name : XXXXXXXXXX
 Submitted by : RLL
 Vial Number : 80
 AcquisitionMeth: WSCREEN.M
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
 C:\Database\NIST08.L Minimum Quality: 10
 C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|------------------------------------|-------------|------|
| 4 | 3.74 | C:\Database\NIST08.L | | |
| | | 2(3H)-Furanone, dihydro-4-hydroxy- | 005469-16-9 | 64 |
| | | Pentanal | 000110-62-3 | 47 |
| | | Cyclopropyl carbinol | 002516-33-8 | 40 |



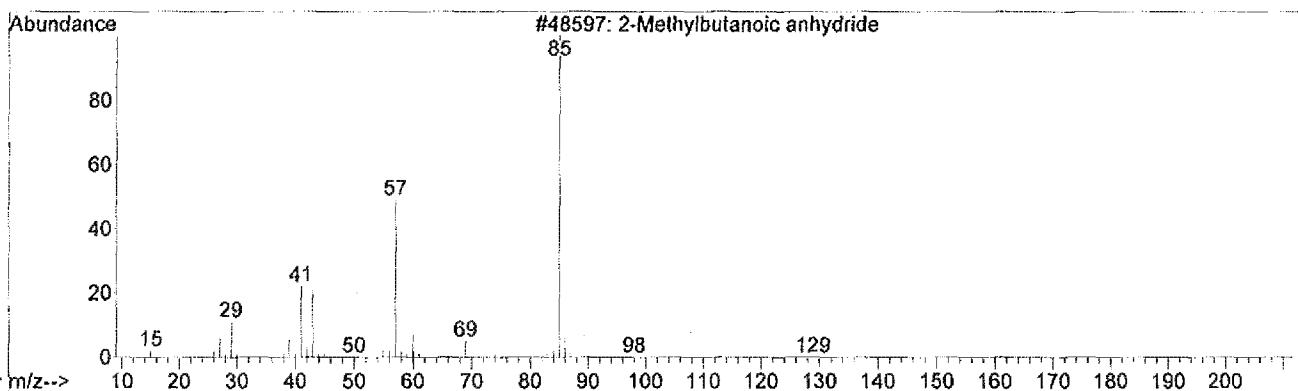
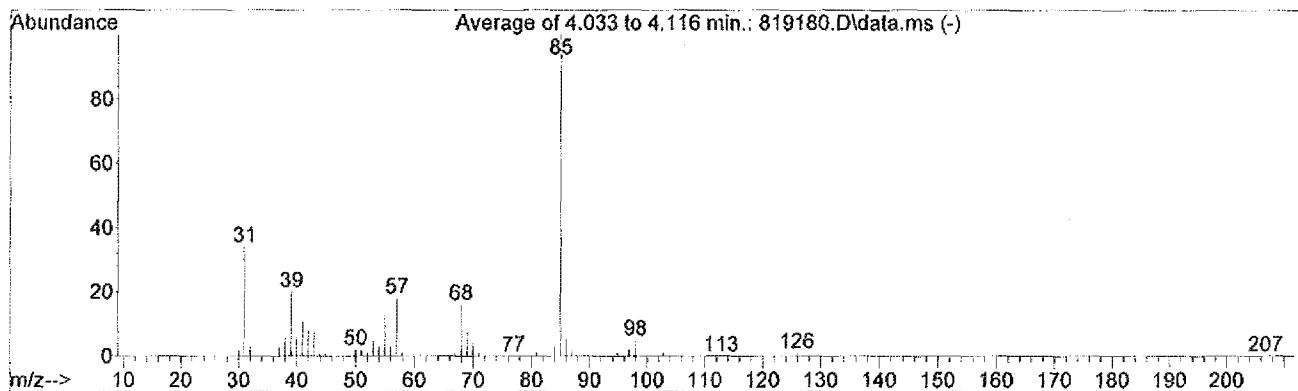
Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\DATA\SYSTEM9\02_27_12\819180.D
 Operator : KAC
 Date Acquired : 28 Feb 2012 15:54
 Sample Name : XXXXXXXXXX
 Submitted by : HLL
 Vial Number : 80
 AcquisitionMeth: WSCREEN.M
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
 C:\Database\NIST08.L Minimum Quality: 10
 C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-------------------------------------|--------------|------|
| 5 | 4.06 | C:\Database\NIST08.L | | |
| | | 2-Methylbutanoic anhydride | 001468-39-9 | 53 |
| | | Hexan-2,4-dione, enol | 1000202-23-9 | 50 |
| | | 1-Bromo-7-(tetrahydro-2-pyranyloxy) | 010160-25-5 | 39 |



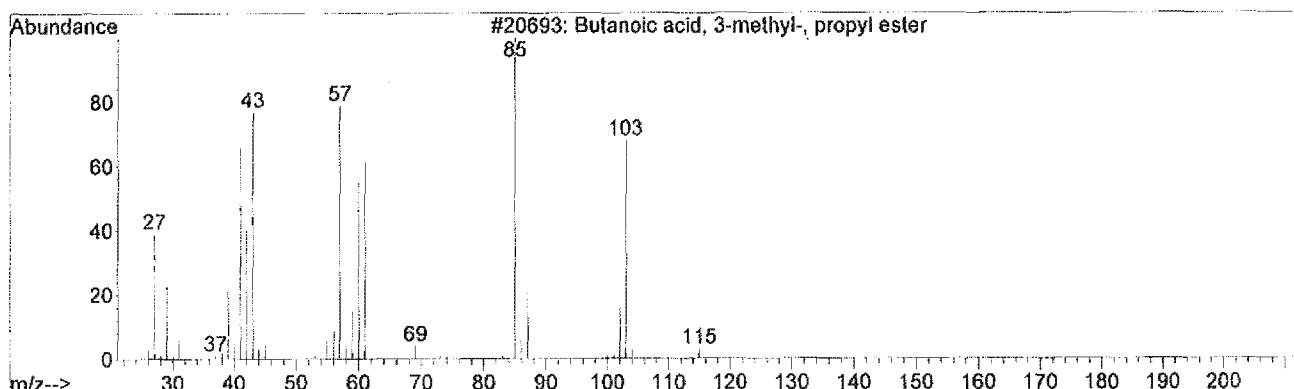
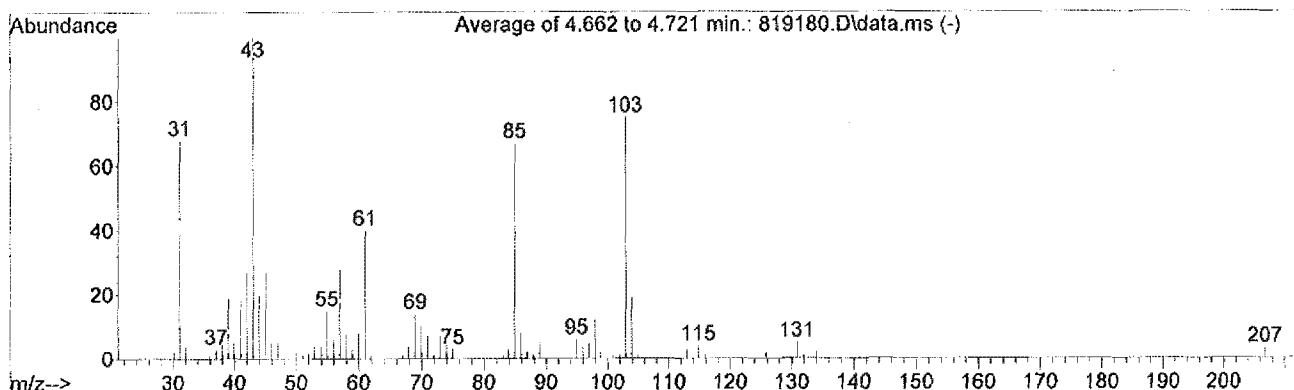
Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\DATA\SYSTEM9\02_27_12\819180.D
 Operator : KAC
 Date Acquired : 28 Feb 2012 15:54
 Sample Name : XXXXXXXXXX
 Submitted by : HLL
 Vial Number : 80
 AcquisitionMeth: WSCREEN.M
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
 C:\Database\NIST08.L Minimum Quality: 10
 C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-------------------------------------|-------------|------|
| 6 | 4.68 | C:\Database\NIST08.L | | |
| | | Butanoic acid, 3-methyl-, propyl es | 000557-00-6 | 47 |
| | | Butanoic acid, 3-methyl-, propyl es | 000557-00-6 | 38 |
| | | Butanedioic acid, 2-hydroxy-2-methy | 006236-09-5 | 32 |



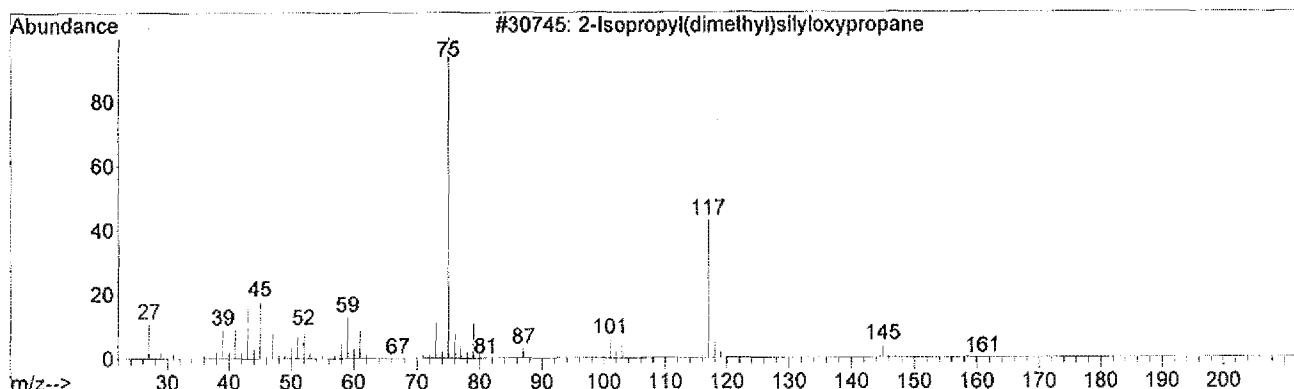
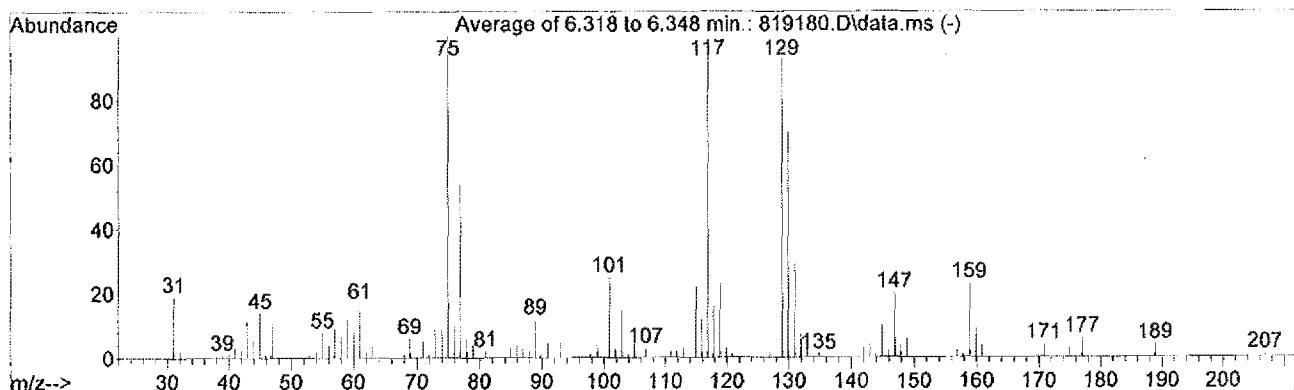
Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\DATA\SYSTEM9\02_27_12\819180.D
Operator : KAC
Date Acquired : 28 Feb 2012 15:54
Sample Name : XXXXXXXXXX
Submitted by : HLL
Vial Number : 80
AcquisitionMeth: WSCREEN.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 10
C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-------------------------------------|--------------|------|
| 7 | 6.34 | C:\Database\NIST08.L | | |
| | | 2-Isopropyl(dimethyl)silyloxypropan | 1000278-74-1 | 27 |
| | | Heptane, 1,1-dimethoxy- | 010032-05-0 | 27 |
| | | .beta.-Alanine, trimethylsilyl este | 005269-40-9 | 22 |



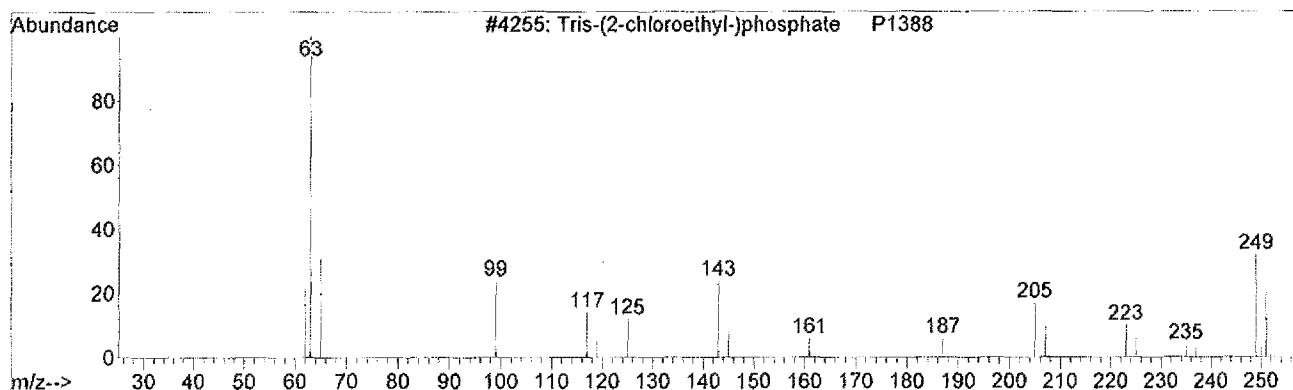
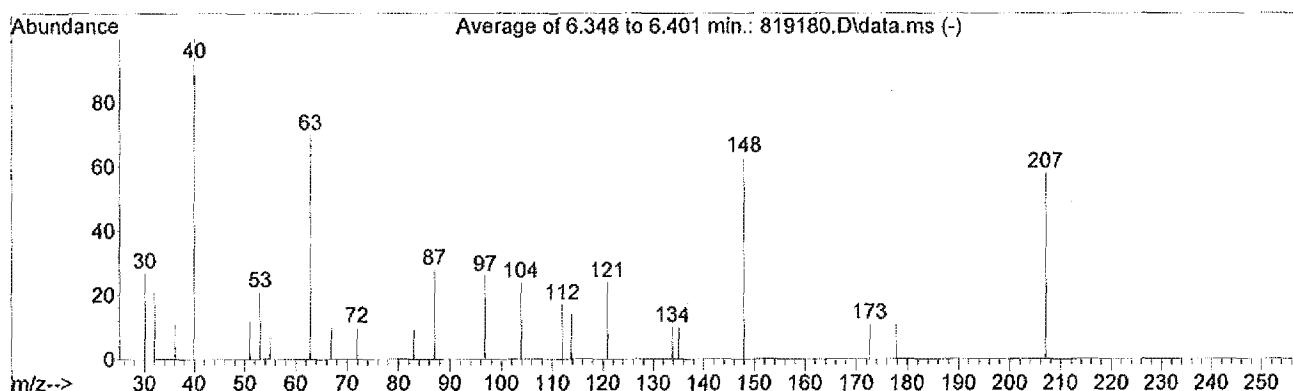
Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\DATA\SYSTEM9\02_27_12\819180.D
 Operator : KAC
 Date Acquired : 28 Feb 2012 15:54
 Sample Name : XXXXXXXXXX
 Submitted by : XXXXXXXXXX
 Vial Number : 80
 AcquisitionMeth: WSCREEN.M
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
 C:\Database\NIST08.L Minimum Quality: 10
 C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|--------------------------------|-------------|------|
| 8 | 6.36 | C:\Database\PMW_TOX2.L | | |
| | | Tris-(2-chloroethyl)-phosphate | 000115-96-8 | 1 |
| | | Dimethylsulfoxide | 000067-68-5 | 1 |



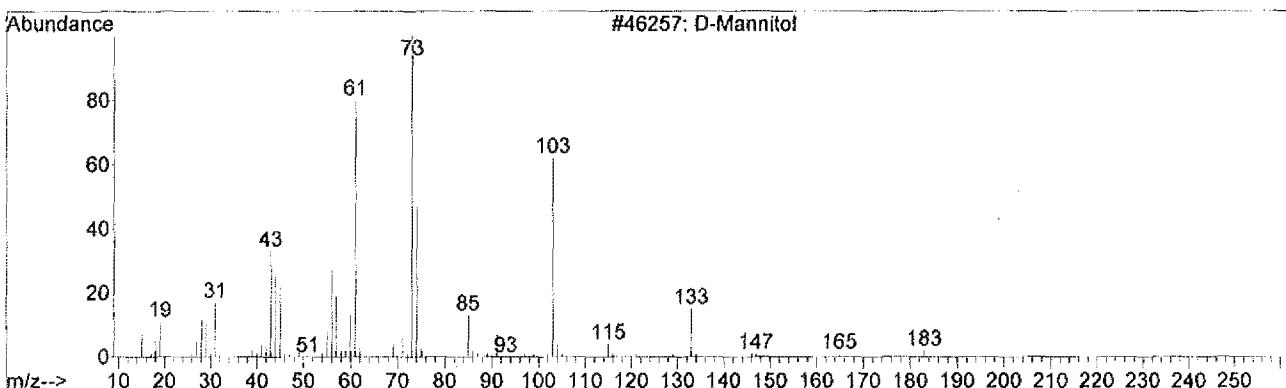
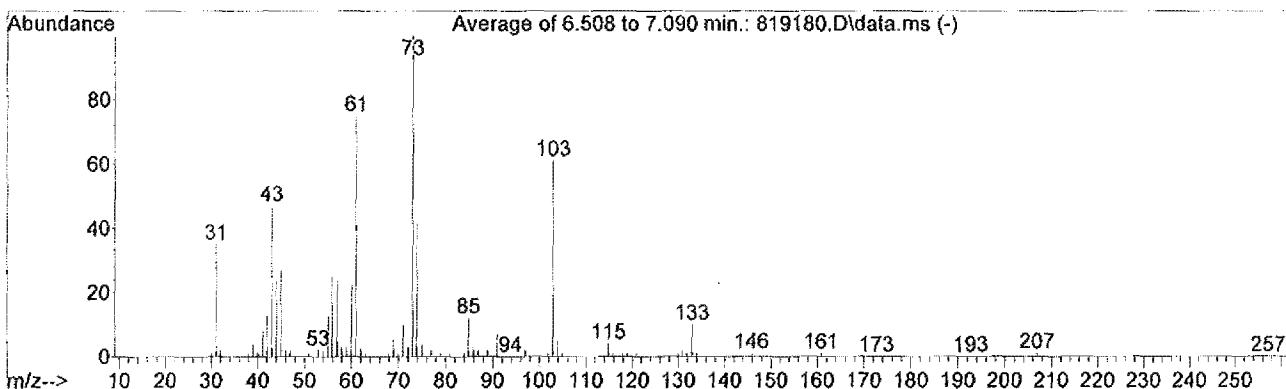
Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\DATA\SYSTEM9\02_27_12\819180.D
 Operator : KAC
 Date Acquired : 28 Feb 2012 15:54
 Sample Name : XXXXXXXXXX
 Submitted by : HLL
 Vial Number : 80
 AcquisitionMeth: WSCREEN.M
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
 C:\Database\NIST08.L Minimum Quality: 10
 C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|----------------------|-------------|------|
| 9 | 6.99 | C:\Database\NIST08.L | | |
| | | D-Mannitol | 000069-65-8 | 91 |
| | | Sorbitol | 000050-70-4 | 90 |
| | | Galactitol | 000608-66-2 | 87 |



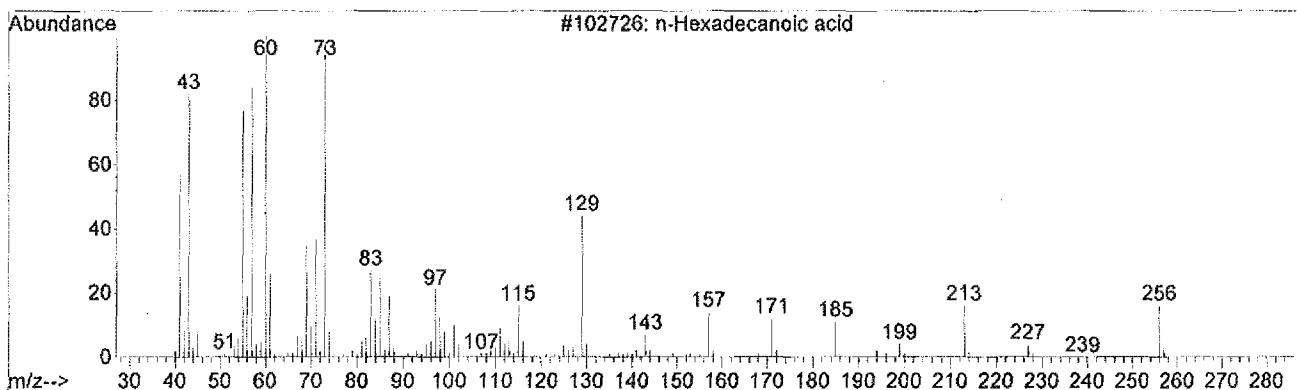
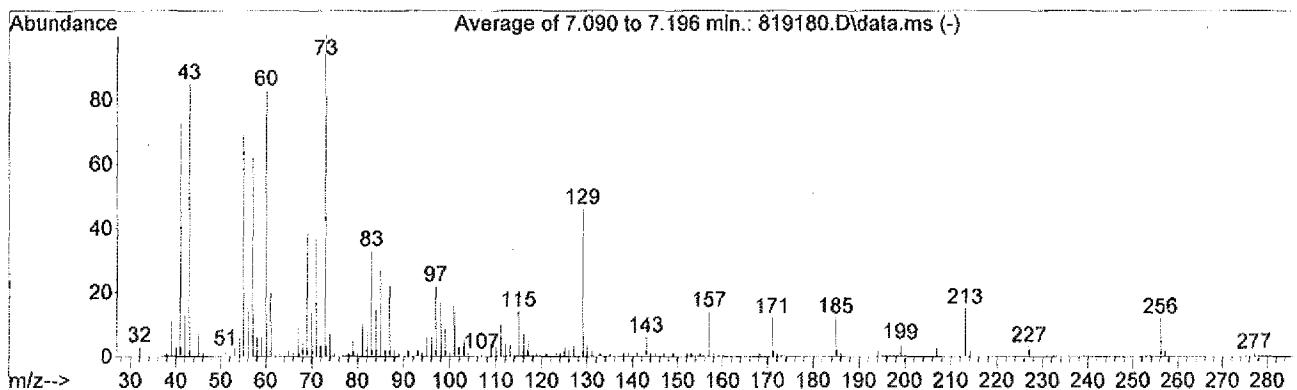
Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\DATA\SYSTEM9\02_27_12\819180.D
 Operator : KAC
 Date Acquired : 28 Feb 2012 15:54
 Sample Name : XXXXXXXXXX
 Submitted by : XXXXXXXXXX
 Vial Number : 80
 AcquisitionMeth: WSCREEN.M
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
 C:\Database\NIST08.L Minimum Quality: 10
 C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|----------------------|-------------|------|
| 10 | 7.11 | C:\Database\NIST08.L | | |
| | | n-Hexadecanoic acid | 000057-10-3 | 97 |
| | | n-Hexadecanoic acid | 000057-10-3 | 95 |
| | | Pentadecanoic acid | 001002-84-2 | 87 |



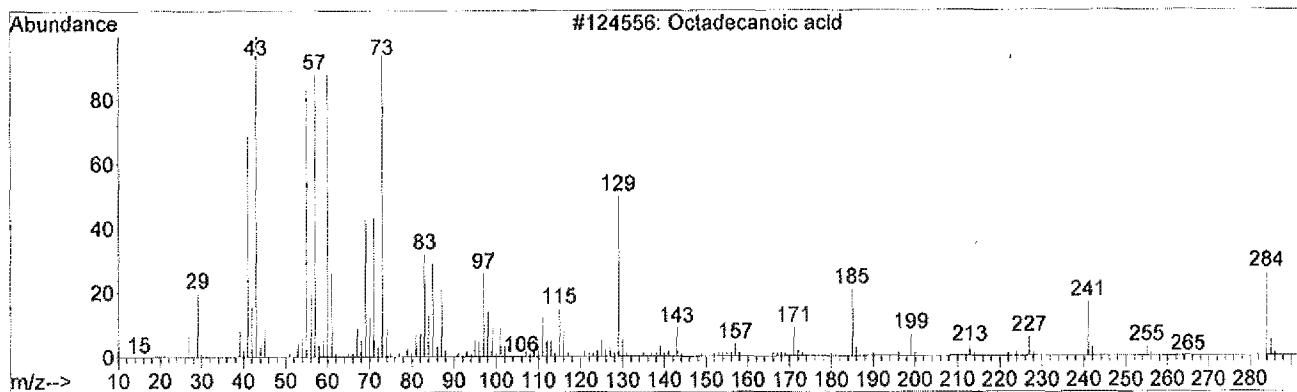
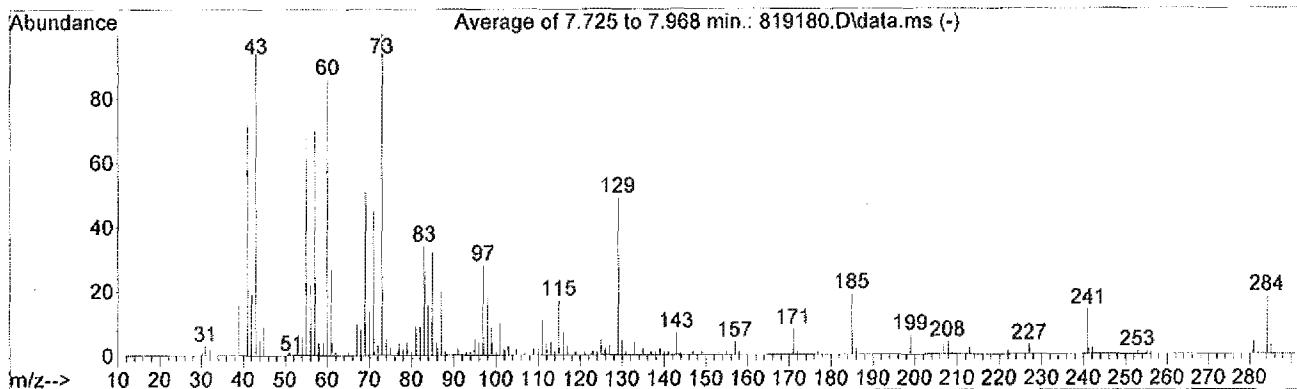
Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\DATA\SYSTEM9\02_27_12\819180.D
Operator : KAC
Date Acquired : 28 Feb 2012 15:54
Sample Name : XXXXXXXXXX
Submitted by : HLL
Vial Number : 80
AcquisitionMeth: WSCREEN.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 10
C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|----------------------|-------------|------|
| 11 | 7.75 | C:\Database\NIST08.L | | |
| | | Octadecanoic acid | 000057-11-4 | 99 |
| | | Octadecanoic acid | 000057-11-4 | 96 |
| | | Octadecanoic acid | 000057-11-4 | 95 |



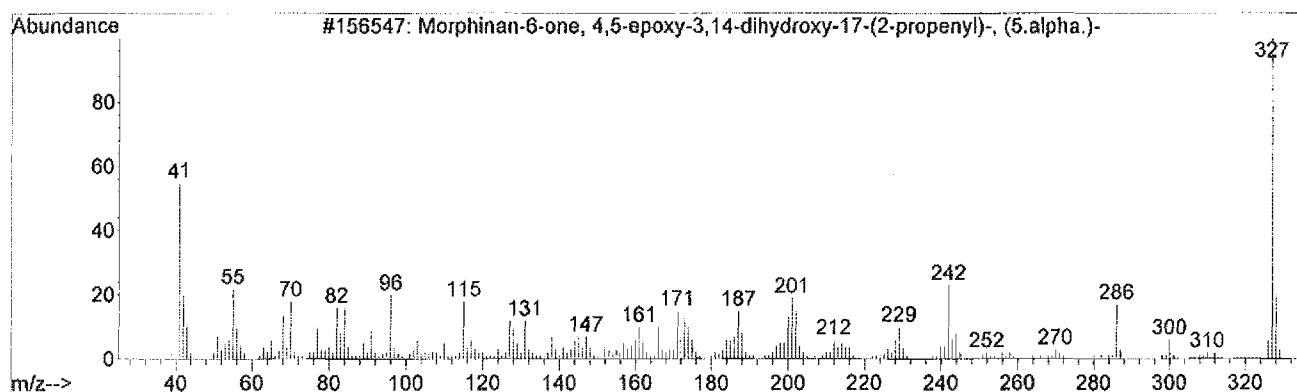
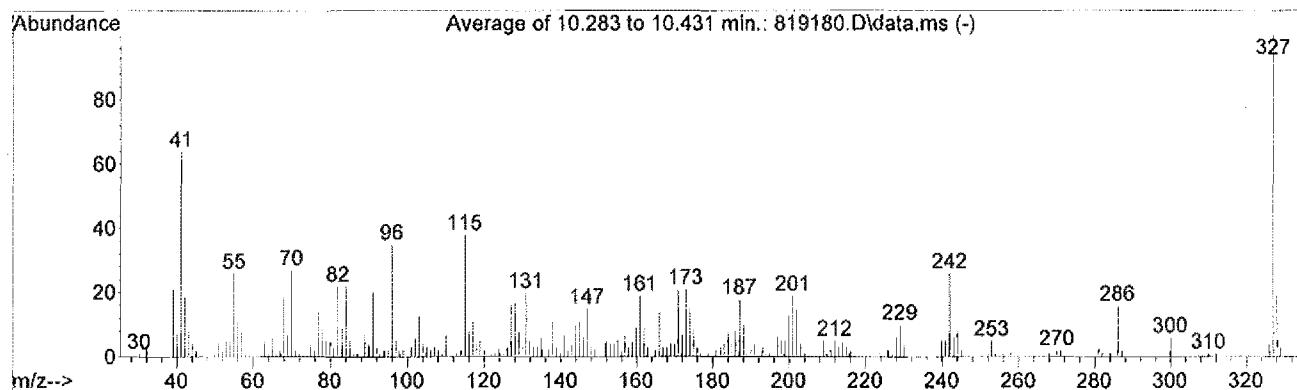
Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\DATA\SYSTEM9\02_27_12\819180.D
 Operator : KAC
 Date Acquired : 28 Feb 2012 15:54
 Sample Name : XXXXXXXXXX
 Submitted by : HLL
 Vial Number : 80
 AcquisitionMeth: WSCREEN.M
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
 C:\Database\NIST08.L Minimum Quality: 10
 C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|-------|-------------------------------------|-------------|------|
| 12 | 10.32 | C:\Database\NIST08.L | | |
| | | Morphinan-6-one, 4,5-epoxy-3,14-dih | 000465-65-6 | 99 |
| | | Morphinan-6-one, 4,5-epoxy-3,14-dih | 000465-65-6 | 96 |
| | | Morphinan-6-one, 4,5-epoxy-3,14-dih | 000465-65-6 | 70 |

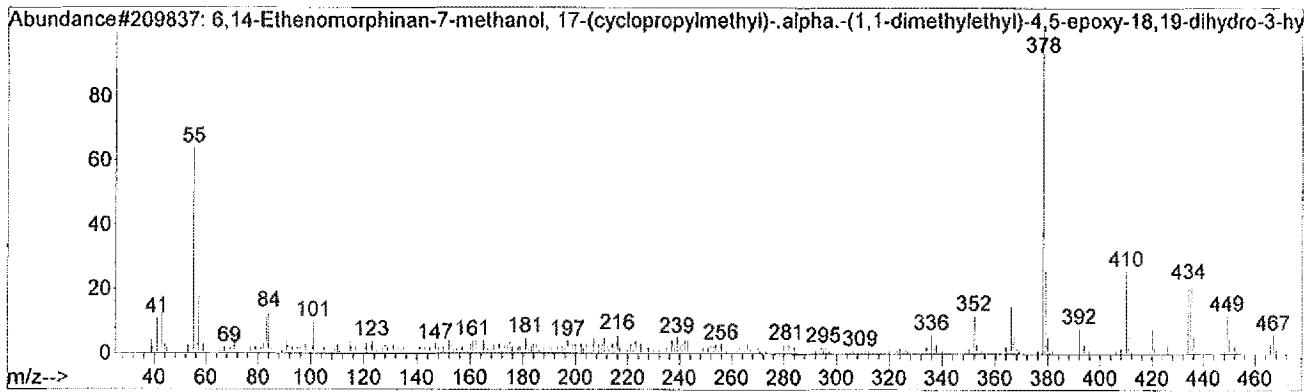
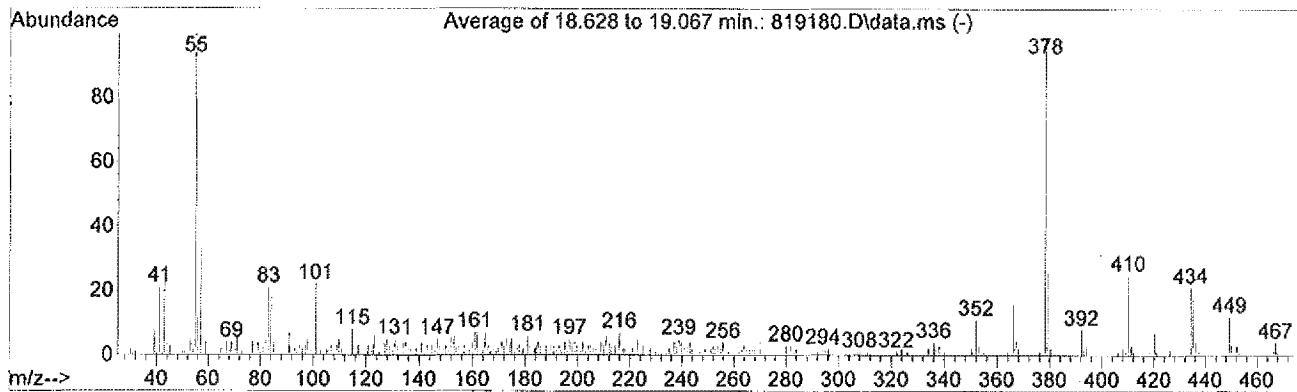


Information from Data File:

File Name : C:\msdchem\1\DATA\SYSTEM9\02_27_12\819180.D
 Operator : KAC
 Date Acquired : 28 Feb 2012 15:54
 Sample Name : XXXXXXXXXX
 Submitted by : HLL
 Vial Number : 80
 AcquisitionMeth: WSCREEN.M
 Integrator : RTE

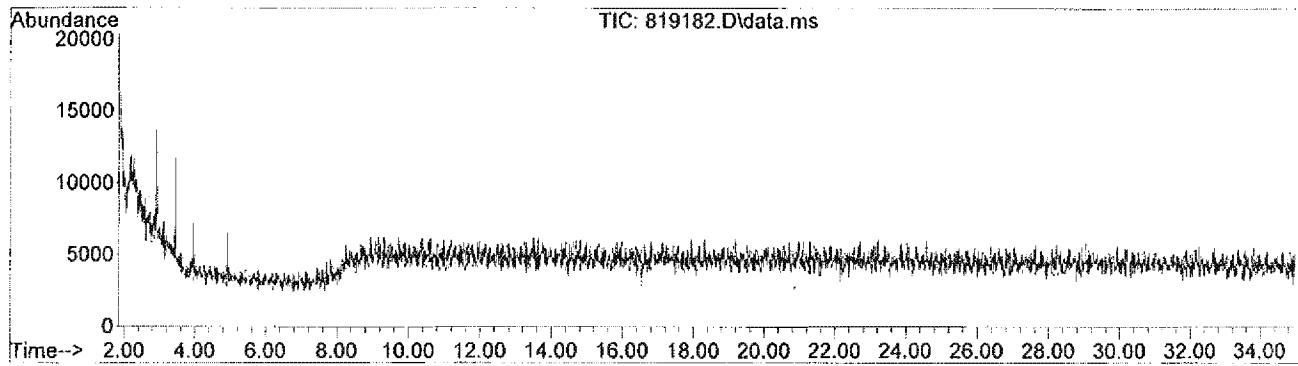
Search Libraries: C:\Database\SLI.L Minimum Quality: 80
 C:\Database\NIST08.L Minimum Quality: 10
 C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|-------|-------------------------------------|-------------|------|
| 13 | 18.79 | C:\Database\NIST08.L | | |
| | | 6,14-Ethenomorphinan-7-methanol, 17 | 052485-79-7 | 99 |
| | | 6,14-Ethenomorphinan-7-methanol, 17 | 052485-79-7 | 99 |
| | | 6,14-Ethenomorphinan-7-methanol, 17 | 052485-79-7 | 95 |



Information from Data File:

File Name : C:\msdchem\1\DATA\SYSTEM9\02_27_12\819182.D
Operator : KAC
Date Acquired : 28 Feb 2012 17:11
Sample Name : BLANK
Submitted by :
Vial Number : 2
AcquisitionMeth: WSCREEN.M
Integrator : RTE



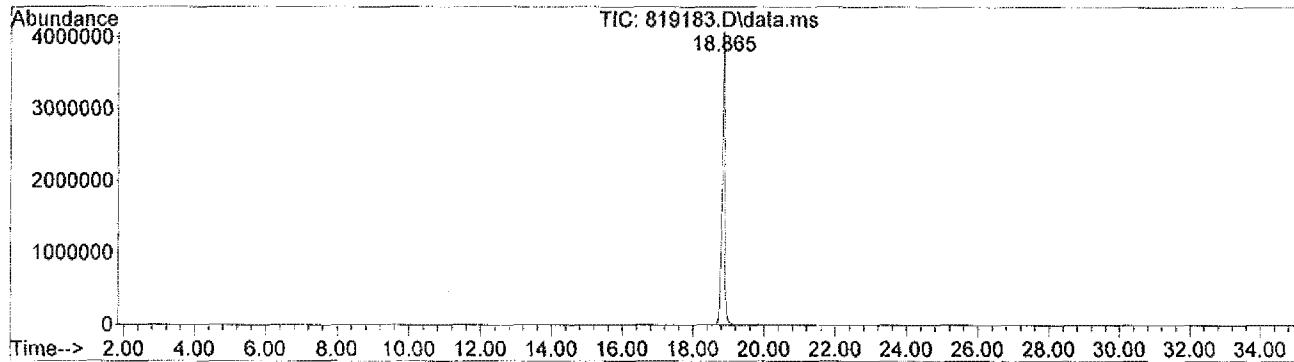
| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|
|-----------|------|--------|---------|

NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\DATA\SYSTEM9\02_27_12\819183.D
Operator : KAC
Date Acquired : 28 Feb 2012 17:50
Sample Name : BUPRENORPHINE STD
Submitted by :
Vial Number : 74
AcquisitionMeth: WSCREEN.M
Integrator : RTE



| Ret. Time | Area | Area % | Ratio % |
|-----------|----------|--------|---------|
| 18.865 | 20884528 | 100.00 | 100.00 |

Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\DATA\SYSTEM9\02_27_12\819183.D
 Operator : KAC
 Date Acquired : 28 Feb 2012 17:50
 Sample Name : BUPRENORPHINE STD
 Submitted by :
 Vial Number : 74
 AcquisitionMeth: WSCREEN.M
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
 C:\Database\NIST08.L Minimum Quality: 10
 C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|-------|-------------------------------------|-------------|------|
| 1 | 18.87 | C:\Database\NIST08.L | | |
| | | 6,14-Ethenomorphinan-7-methanol, 17 | 052485-79-7 | 99 |
| | | 6,14-Ethenomorphinan-7-methanol, 17 | 052485-79-7 | 99 |
| | | 6,14-Ethenomorphinan-7-methanol, 17 | 052485-79-7 | 96 |

